

Newark - Dept. of Health

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# HEALTH REPORT

FOR THE  
CITY OF NEWARK



1947



HON. JOHN A. BRADY, Director,  
Department of Public Affairs.

Department of Health, Newark, N. J.  
CHARLES V. CRASTER, M.D., D.P.H.,  
Health Officer.



# HEALTH REPORT - 1947

NEWARK, N. J.

## CONTENTS

### THE HEALTH STORY OF 1947

INTERESTING DEVELOPMENTS	1
GENERAL MORTALITY	2
PRINCIPAL CAUSES OF DEATH	3
BIRTH STATISTICS	5
NEGRO HEALTH STATISTICS	5
CONTAGIOUS DISEASE PREVALENCE	6

### DIVISIONAL REPORTS

EXECUTIVE DIVISION	7
FINANCIAL STATEMENT	8
STATISTICAL TABLES (SEE BELOW)	
SANITARY DIVISION	17
RABIES CONTROL	18
FUMIGATION-PEST CONTROL	18
INDUSTRIAL HYGIENE DIVISION	19
DIVISION OF SANITARY ENGINEERING (PLUMBING)	20
VETERINARY DIVISION	20
COMMUNICABLE DISEASE DIVISION	21
FOOD & DRUG DIVISION	22
OCCUPATIONAL CLINIC	23
CITY DISPENSARY	24
TUBERCULOSIS DIVISION	25
DIVISION OF CHILD HYGIENE	26
VENEREAL DISEASE CONTROL DIVISION	27
LABORATORIES	28

### STATISTICAL TABLES

DEATH RATES - CRUDE & ADJUSTED	1940-1947	3
DEATHS - MATERNAL - BY CAUSES	1939-1947	4
DEATHS - ACCIDENTAL - BY CAUSES	1938-1947	4
BIRTHS - PLACE OF DELIVERY	1935-1947	5
NEGRO HEALTH STATISTICS	1936-1947	6
REPORTABLE DISEASES	1938-1947	21
TUBERCULOSIS STATISTICS - WHITE & COLORED	1931-1947	13
INTERESTING HEALTH TRENDS	1917-1947	9
OTHER MORTALITY TRENDS - SINCE 1894		10
DEATHS - BY AGE GROUPS	1917-1947	11
DEATHS - CERTAIN CAUSES - IN AGE GROUPS	1947	12
DEATHS & DEATH RATES - BY CAUSE & COLOR	1946-1947	12
DEATHS - SPECIAL CAUSES	1938-1947	13
BIRTHS - BY ATTENDANT & PLACE OF DELIVERY	1917-1947	14
INFANT MORTALITY BY COLOR	1926-1947	14
INFANT DEATHS BY CAUSE	1918-1947	15
BIRTHS & INFANT MORTALITY RATES BY WARDS	1947	15
BIRTHS & DEATHS - BY WARD & COLOR	1947	16



CITY OF NEWARK, NEW JERSEY  
FIVE CITY COMMISSIONERS (ELECTED FOR 4 YRS)  
ALL CITY FUNDS, ORDINANCES, APPOINTMENTS &C

NEWARK HEALTH DEPARTMENT  
ORGANIZATION  
ALL EMPLOYEES-CIVIL SERVICE

ONE OF THESE  
DIRECTOR OF PUBLIC AFFAIRS  
HAS CHARGE OF  
HOSPITALS - HEALTH - RELIEF, ETC.

DEPARTMENT ENFORCES  
STATE LAWS AND  
LOCAL ORDINANCES ON HEALTH

HEALTH DEPT.

HEALTH OFFICER  
EXECUTIVE HEAD

EXECUTIVE DIVISION  
ADMINISTRATION, VITAL  
STATISTICS, EDUCATION,  
MAINTENANCE, ETC.

LABORATORIES  
CHEMICAL, BACTERIOLOGICAL, SEROLOGICAL  
SERVE ALL DIVISIONS

DISPENSARY CLINICS  
TREATMENT OF INDIGENT PATIENTS

INFANT & CHILD HEALTH

SANITATION

PAROCHIAL  
SCHOOL  
MED. INSPC.  
HEALTH EDUC.

CHILD  
HYGIENE  
DIV.

DISEASE CONTROL

FOOD & DRUG  
CONTROL  
DIV.

MEAT  
INSPECTION  
DIV.

INDUSTRIAL  
HYGIENE  
DIV.

PLUMBING  
DIV.  
NEW  
PLUMBING

SANITARY  
DIV.  
ENVIRONMENTAL  
SANITATION,  
DOG CONTROL &C

BABY  
KEEP-BELL  
STATIONS

COMMUNICABLE  
DISEASE  
DIV.

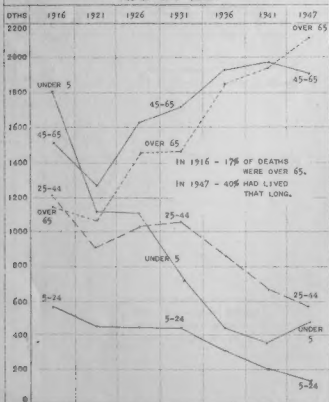
TUBERCULOSIS  
DIV.  
CONTROL &  
CLINICS

VENEREAL  
DISEASE  
DIV.  
CONTROL &  
CLINICS

OCCUPATIONAL  
CLINIC  
DOMESTICS-  
FOODHANDLERS  
SPEC. GROUPS



NEWARK - N.J.  
MORTALITY TRENDS  
 (BY AGE)  
 PEOPLE LIVE LONGER

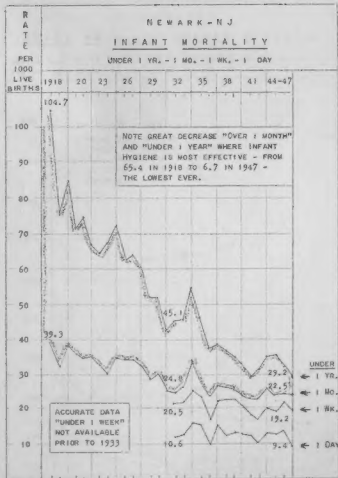
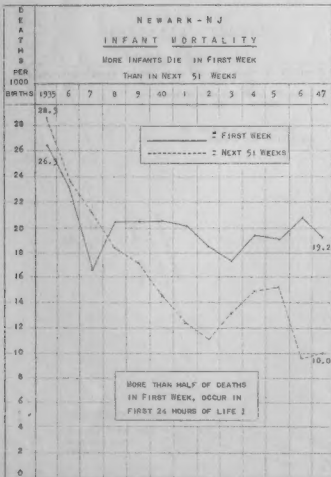


NEWARK - N.J.  
WATERNAL MORTALITY  
 1925 - 1947







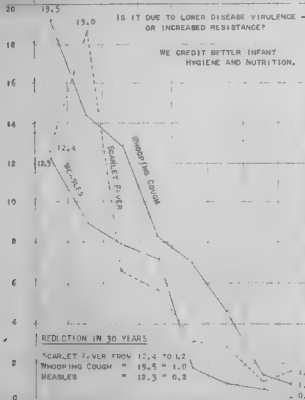




DEATHS  
PER  
1000  
CASES

NEWARK - N.J.  
DOWNWARD TRENDS  
IN  
CASE FATALITY

4-YR  
AVERAGES 1916-9 20-23 24-27 28-31 32-35 36-39 40-43 44-47

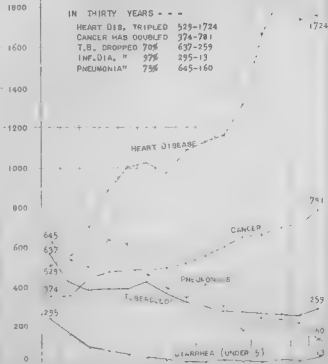


NEWARK - N.J.

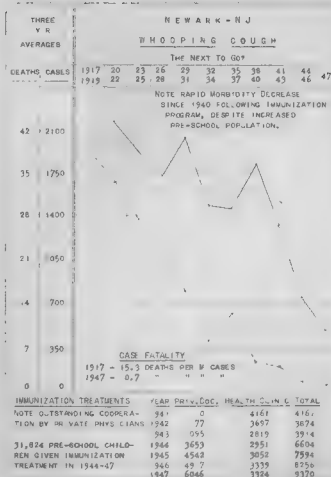
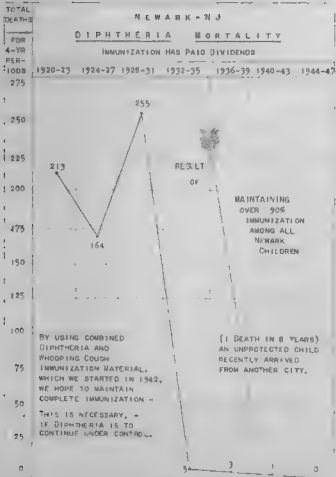
TRENDS IN MAJOR CAUSES OF DEATH

DEATHS PER YR 1919 21 23 25 27 29 31 33 35 37 39 41 43 45 47

2000









DEATHS	CASES
PER 100,000 POP.	PER 100,000 POP.

# NEWARK - N J

## TUBERCULOSIS

MORBIDITY & MORTALITY  
1915 - 1947

1915 1920 1925 1930 1935 1940 1945 1947

### RESULTS OF --

- A-INCREASED EXAMINATIONS - THUS  
EARLY DETECTION AND CARE.
- B-EXAMINATION OF CONTACTS.
- C-SANATORIA AND/OR LUNG COLLAPSE.
- D-EDUCATION RE CONTAGION.
- E-BETTER HYGIENE - DIET - HABITS.

200 500

180 450

160 400

140 350

120 300

100 250

80 200

60 150

40 100

20 50

0 0

IN 1947 WE HAD 258 DEATHS.  
IF 1915 RATE HAD PREVAILED,  
700 WOULD HAVE DIED.

NOTE NOW PARALLEL IS DROP  
AT 4 DEATHS FOR EACH  
10 CASES REPORTED.

58.2

118.7

CASES  
&  
DEATHS

## NEWARK - N J TYPHOID FEVER

ANNUAL AVERAGE  
4-YEAR PER CDS  
1897-1947

1897 1900 04 08 12 16 20 24 28 32 36 40 44 47

285

270

255

240

225

210

195

180

165

150

135

120

105

90

75

60

45

30

15

0

CASES

ALMOST GONE - BUT STILL A VACATION RISK!

CLEAN WATER

CLEAN PASTEURIZED MILK

### NOTE:

- IN 5 YEARS (1940-44) WE HAD  
24 CASES AND NO DEATHS
- IN 1945 - 18 CASES & 2 DEATHS  
PRACTICALLY ALL CAUSED BY A  
CARRIER AT A VACATION HOTEL!
- IN 1947 - 4 CASES  
NO DEATHS

DEATHS





# HEALTH REPORT - 1947

HEALTH REPORT

CHARLES V. CRASTER, M.D., D.P.H. -- HEALTH OFFICER

-O-

TO HONORABLE JOHN A. BRADY, DIRECTOR OF PUBLIC AFFAIRS

AND TO THE CITIZENS OF NEWARK, N. J.

## THE HEALTH HISTORY OF 1947

THE SOMEWHAT INFLATIONARY TREND IN THE PRICES OF FOOD, CLOTHING, AND HOUSE RENTING DURING 1947 DID NOT TO ANY DEGREE AFFECT THE HEALTH AND WELFARE OF THE PEOPLE IN THIS CITY. THE SITUATION IN HOUSING HAS REMAINED A PROBLEM DURING 1947. MANY THOUSANDS OF GI'S FAMILIES, PARTICULARLY, ARE WITHOUT SUITABLE HOMES WHICH MAKES A MOST UNDESIRABLE SITUATION OF OVERCROWDING. IN SPITE OF THIS, HOWEVER, THE HEALTH OF NEWARK DURING THE YEAR HAS SHOWN A REMARKABLY SATISFACTORY PICTURE. THIS IS EVIDENCED BY THE LOW MORTALITY RATES, THE HIGH BIRTH RATE AND, THE RECORD LOW INFANT MORTALITY RATE. THERE WAS ALSO A RELATIVE FREEDOM FROM MAJOR ENDEMIC DISEASES.

DEATHS FROM ALL CAUSES TOTALLED 5,097 GIVING A CRUDE DEATH RATE OF 11.2 PER 1000 POPULATION, ON AN ESTIMATED POPULATION OF 445,000. THIS IS WELL BELOW THE 11-YR NORMAL RATE OF 11.6.

THERE WERE 14,710 BIRTHS OR A RATE OF 33.1 PER 1000, BOTH THE TOTAL BIRTHS AND THE RATE BEING THE HIGHEST EVER RECORDED IN OUR HISTORY. THAT BOTH THE BABIES AND THE MOTHERS WERE HEALTHY IS SHOWN BY THE FACT THAT THE 429 DEATHS UNDER ONE YEAR GAVE AN INFANT MORTALITY RATE OF 29.2 PER 1000 BIRTHS WHICH IS THE LOWEST INFANT MORTALITY RATE EVER RECORDED, AND PROBABLY OUR BANNER ACHIEVEMENT FOR THE YEAR. IN ADDITION TO THIS THERE WERE ONLY 12 DEATHS AMONG THE MOTHERS DELIVERING OVER 14,000 BABIES, OR A RATE OF 0.8 PER 1000 TOTAL DELIVERIES, INCLUDING 355 STILL BIRTHS, EQUALING THE LOWEST RATE EVER RECORDED WHICH WAS ESTABLISHED IN 1944.

## INTERESTING DEVELOPMENTS

IMMUNIZATION IN 1946 WE REPORTED THAT OUR CONTINUOUS CAMPAIGN OF MANY YEARS HAD BEEN SO SUCCESSFUL THAT WE COULD CONSERVATIVELY STATE THAT OVER 90% OF OUR PRE-SCHOOL POPULATION HAD BEEN IMMUNIZED AGAINST DIPHTHERIA, AND THAT THROUGH THE USE OF COMBINED WHOOPING COUGH VACCINE AND DIPHTHERIA TOXOID AND THE EXCEPTIONALLY FINE COOPERATION OF PRIVATE PHYSICIANS, APPROXIMATELY 50% OF OUR PRE-SCHOOL CHILDREN HAD BEEN GIVEN WHOOPING COUGH IMMUNIZATION TREATMENTS.

IN 1947 THIS STATUS WAS MAINTAINED. DURING THE YEAR, 10,110 PRE-SCHOOL CHILDREN WERE IMMUNIZED AGAINST DIPHTHERIA, OF WHOM 8,197 WERE TREATED WITH THE COMBINED DIPHTHERIA AND WHOOPING COUGH MATERIAL. ADDING THIS 8,197 TO 1,913 PRE-SCHOOL CHILDREN WHO WERE GIVEN WHOOPING COUGH INJECTIONS ALONE, WE FIND THAT 9,370 WERE PROTECTED DURING THE YEAR AGAINST WHOOPING COUGH. THIS UNDOUBTEDLY INCREASED OUR PROPORTION OF PRE-SCHOOL WHOOPING COUGH PROTECTION TO APPROXIMATELY 60%.

VACCINATIONS - SMALLPOX NEWARK, FOR YEARS, HAS BEEN ONE OF THE BEST VACCINATED CITIES IN THE COUNTRY AS A RESULT OF COMPULSORY VACCINATION IN BOTH PUBLIC AND PAROCHIAL SCHOOLS. IN ADDITION, IN 1931, A FEW MILD CASES OF SMALLPOX AMONG WORKERS WHO HAD RECENTLY MIGRATED FROM THE SOUTH, CAUSED US TO CARRY ON A VACCINATION CAMPAIGN THAT YEAR IN WHICH 106,000 VACCINATIONS WERE CARRIED OUT IN TEN WEEKS.

IN APRIL 1947, A FEW CASES OF SMALLPOX DEVELOPED IN NEW YORK CITY AND WAS GIVEN CONSIDERABLE PUBLICITY. AS THE PUBLIC DEMANDED RE-VACCINATION, AND AS MANY WORKERS FROM OTHER STATES HAD COME TO OUR CITY DURING THE WAR, THE VACCINATION PROGRAM WAS AGAIN CARRIED OUT. SPECIAL VACCINATION CLINICS WERE OPENED IN THE CITY DISPENSARY, HOUSING PROJECTS, AND BABY-KEEP-CELL STATIONS. THE DEPARTMENT ALSO SUPPLIED SMALLPOX



VACCINE TO MANY CONCERNS WITH LARGE GROUPS OF EMPLOYEES. WE ALSO ASSIGNED NURSES AND DOCTORS TO MANY SUCH CONCERNS. IN ALL, THE DEPARTMENT VACCINATED APPROXIMATELY 55,000, TO WHICH AT LEAST 5,000 BY PRIVATE DOCTORS AND IN INDUSTRY CAN BE ADDED, OR A TOTAL OF 80,000 DURING THE YEAR.

#### CHEST X-RAY PROGRAM

THE MOST EFFICIENT METHOD OF COMBATING TUBERCULOSIS IS NATURALLY THE MASS X-RAY PROGRAM, TO SECURE EARLY DIAGNOSIS. IN 1946, OVER 31,000 SUCH X-RAYS WERE TAKEN, MOSTLY AMONG FOODHANDLERS, DOMESTICS AND INDUSTRIAL GROUPS, AND 75 CASES OF TUBERCULOSIS WERE DISCOVERED. IN 1947, THIS PROGRAM WAS INCREASED. THE STATE HEALTH DEPARTMENT LOANED US THEIR MOBILE X-RAY UNIT WHICH SPENT A DAY OR TWO IN EACH NEIGHBORHOOD WHERE THE DISEASE IS MOST FREQUENT AND IN THREE WEEKS, WE TOOK 0,000 CHEST X-RAY PICTURES. THE INDUSTRIAL HYGIENE DIVISION HAD A DEMONSTRATION AT THE Y.W.C.A. FOR TWO DAYS, AND TOOK 840 PICTURES WITH A PORTABLE UNIT, AND ALSO TOOK DURING THE YEAR, 1,100 PICTURES WITH A UNIT BORROWED FROM THE TUBERCULOSIS LEAGUE, IN SEVERAL LARGE INDUSTRIAL PLANTS. IN OUR DISPENSARY X-RAY DEPARTMENT, 32,000 CHEST X-RAY PICTURES WERE TAKEN DURING THE YEAR, MOSTLY FOODHANDLERS AND DOMESTICS, THUS BRINGING THE TOTAL SCREEN-TESTING PICTURES TO MORE THAN 44,000 DURING THE YEAR. TO THIS, 1,375 WERE SUSPICIOUS AND BY FURTHER EXAMINATION 92 CASES OF TUBERCULOSIS WERE DISCOVERED, WHICH WOULD NOT OTHERWISE HAVE BEEN SUSPECTED. THIS MEANS THAT NOT ONLY WERE THEY PUT UNDER TREATMENT IN TIME TO DO THE MOST GOOD FOR THEMSELVES, BUT PREVENT FURTHER SPREAD OF THE DISEASE BY THEM TO THEIR FAMILIES.

#### HOME NURSING

IN DECEMBER A PROGRAM OF HOME NURSING INSTRUCTION WAS ESTABLISHED IN OUR CONTAGIOUS DIVISION. WHEN AN INSPECTOR FEELS THAT NURSING INSTRUCTION OF THE MOTHER OR CARETAKER OF A PATIENT WOULD HELP, A DEPARTMENT NURSE CALLS AT THE HOME AND GIVES INSTRUCTION IN CONCURRENT DISINFECTION, USE OF RECTAL THERMOMETER, BED BATH OR ANY OTHER INSTRUCTION INDICATED BY THE NURSES.

AT THE SAME TIME DIRECTOR BRADY APPROVED OF A HEALTH DEPARTMENT AGREEMENT WITH THE VISITING NURSE ASSOCIATION TO SUBSIDIZE EXPANSION IN THEIR WORK OF PROVIDING BEDS OF CARE FOR THE MEDICALLY INDIGENT. THAT ASSOCIATION HAS FOR YEARS SUPPLIED SUCH CARE, CHARGING THE PATIENT THE ACTUAL COST OR SUPPLYING IT FREE TO THOSE UNABLE TO PAY OR AT A PARTIAL COST FEE, DEPENDING UPON ABILITY TO PAY. THEY ARE SUPPORTED BY THE COMMUNITY CHEST PLUS THE FEES COLLECTED. RECENTLY THE NEED HAS INCREASED TOO GREATLY FOR THEM TO MEET THE DEMAND. IN ADDITION TO THIS THE DEPARTMENT BELIEVES THAT MORE NURSING VISITS TO SUCH PATIENTS WOULD, TO A DEGREE, SOMEWHAT REDUCE THE NEED FOR HOSPITALIZATION AND SOME OTHER NECESSARY DOCTOR VISITS. BY OUR AGREEMENT, STARTING JANUARY 1, 1948, THE HEALTH DEPARTMENT WILL PAY AT ACTUAL COST, APPROXIMATELY \$1.90 PER VISIT, AND HAVE BUDGETED \$10,000 FOR THAT PURPOSE.

#### D.D.T. EXPERIMENT - FLY CONTROL

DURING THE SUMMER, OUR CHIEF FUMIGATION INSPECTOR MADE A STUDY OF POSSIBLE FLY CONTROL. APPROXIMATELY 50,000 SQUARE YARDS OF GARBAGE DUMP AREA AND MOST OF THE CITY GARBAGE AND RUBBISH COLLECTION TRUCKS WERE SPRAYED WEEKLY WITH A 5% D.D.T. WATER EMULSION. WE USED A LARGE TREE-SPRAYING TRUCK FOR THE WORK, WHICH WAS LOANED TO US BY THE CITY BUREAU OF SANITATION.

PRIOR TO TREATMENT CAREFUL INSPECTION SHOWED AN AVERAGE OF 100 FLIES PER SQUARE YARD ON THE DUMP AREA, AND THE TRUCKS WERE LITERALLY SWARMING WITH FLIES. TWO WEEKS AFTER TREATMENT STARTED, THE TRUCKS WERE PRACTICALLY FREE OF FLIES AND THE FLY POPULATION ON THE DUMP AREA HAD BEEN REDUCED AT LEAST 70%. AS FLIES SPREAD DISEASE, INCLUDING INFANTILE PARALYSIS, WE INTEND TO EXPAND THIS CONTROL EFFORT IN 1948.

### GENERAL MORTALITY

DEATHS FROM ALL CAUSES TOTALLED 5,097, OR A RATE OF 11.2 PER 1000 ON AN ESTIMATED POPULATION OF 445,000. THIS IS WELL BELOW THE NORMAL FOR THE PAST 11 YEARS WHICH HAS BEEN 11.6. THERE WERE 754 NEGRO DEATHS DURING THE YEAR, OR A RATE OF 15.1 PER 1000 ON AN ESTIMATED POPULATION OF 50,000, COMPARED WITH THE 11-YEAR NORMAL OF 14.0.

AS NEWARK IS A HOSPITAL CENTER SERVING MANY NEARBY COMMUNITIES, THE NON-RESIDENT DEATHS IN NEWARK FAR EXCEED THE DEATHS OF NEWARKERS DYING ELSEWHERE. SUBTRACTING 827 NON-RESIDENT DEATHS, WE HAVE AN ADJUSTED TOTAL OF 4,411 AND AN ADJUSTED RATE OF 9.9 PER 1000. THIS EQUALS THE RATE OF 1946 WHICH WAS THE LOWEST IN 7 YEARS. KNOWN DEATHS OF NEWARKERS DYING OUT-OF-TOWN TOTALLED 141 BUT THEY WERE NOT INCLUDED IN THE CRUDE TOTAL.



## CRUDE AND ADJUSTED DEATH RATES

YEAR	POPULATION	CRUDE DEATHS	CRUDE DEATH RATE	ADJUSTED DEATHS	ADJUSTED DEATH RATE
1940	429,000	5,025	11.7	4,762	11.1
1941	429,000	4,983	11.6	4,415	10.3
1942	429,000	5,090	11.9	4,659	10.8
1943	440,000	5,523	12.6	5,043	11.5
1944	440,000	5,052	11.6	4,535	10.3
1945	443,000	5,141	11.6	4,586	10.4
1946	443,000	4,937	11.1	4,395	9.9
1947	445,000	5,097	11.2	4,411	9.9

## PRINCIPAL CAUSES OF DEATH

THE MAJOR CAUSES OF OUR 5,097 NEWARK DEATHS WERE AS FOLLOWS:

ORGANIC HEART DISEASE . . . .	1724
CANCER . . . . .	781
APOPLEXY . . . . .	498
CONGENITAL CONDITIONS . . . .	337
BRIGHT'S DISEASE . . . . .	281
TUBERCULOSIS . . . . .	259

NOTE THAT TUBERCULOSIS IS NOW DOWN TO 6TH AS A MAJOR CAUSE OF DEATH.

TUBERCULOSIS

THE 259 DEATHS FROM TUBERCULOSIS (ALL FORMS) GAVE A TUBERCULOSIS MORTALITY RATE OF 58.4 PER 100,000. ALTHOUGH THIS DOES NOT QUITE EQUAL THE PREVIOUS RECORD LOW OF 55.8 ESTABLISHED IN 1945, IT IS THE FOURTH CONSECUTIVE YEAR WITH A RATE BELOW 59. FOR THE PREVIOUS TEN YEARS, THAT RATE HAD AVERAGED 66.3 TO WHICH IT HAD STEADILY DROPPED FROM AN AVERAGE OF OVER 200, THIRTY YEARS AGO WHEN OUR TUBERCULOSIS DIVISION WAS ESTABLISHED. HAD THAT PREVIOUS RATE PREVAILED LAST YEAR, WE WOULD HAVE HAD 900 TUBERCULOSIS DEATHS INSTEAD OF 259.

ORGANIC HEART DISEASE

ORGANIC HEART DISEASE CONTINUED TO BE BY FAR THE LEADING CAUSE WITH 1,724 DEATHS. THIS CAUSE WHICH HAD BEEN RAPIDLY, YEARLY, INCREASING OVER THE RECENT YEARS, APPARENTLY REACHED ITS PEAK IN 1943 WITH 1,975 DEATHS. IT HAD INCREASED FROM AN ANNUAL AVERAGE OF ABOUT 500 DEATHS THIRTY YEARS AGO. SINCE 1943, WE HAVE AVERAGED SOMEWHAT BELOW 1,725 EACH YEAR, AND WE DOUBT THAT THE PEAK OF 1943 WILL BE REACHED AGAIN. WE BELIEVE THAT THE EXTREME PHYSICAL AND MORAL STRAIN OF THE WAR YEARS HAD HASTENED AND ADVANCED THE DEATH OF MANY HEART CASES BY SEVERAL YEARS, THUS REDUCING THE POTENTIAL HEART DEATHS FOR A FEW YEARS AT LEAST.

WATERBURY MORTALITY

THERE WERE ONLY 12 DEATHS IN 1947 DUE TO EMBRYO BIRTH, OR A RATE OF 0.8 PER 1000 DELIVERIES. THIS EQUALS THE LOWEST RATE EVER RECORDED, ESTABLISHED IN 1944. THERE HAS BEEN A REDUCTION OF ALMOST 80% IN THE PAST TWENTY YEARS. ONLY ONE OF THE 12 DEATHS WAS DUE TO SEPTICAEMIA. IT SHOULD BE NOTED THAT OUR WATERBURY MORTALITY RATE IS BASED ON TOTAL DELIVERIES, THUS INCLUDING 355 STILL BIRTHS. MANY CITIES QUOTE A RATE BASED ON LIVE BIRTHS ONLY. INCIDENTALLY, IT IS A PLEASURE TO REPORT THAT THE 355 STILL-BIRTHS GAVE US A RATE OF ONLY 23.6 PER 1000 DELIVERIES, A REDUCTION OF 50% IN THE PAST TWENTY YEARS.



## MATERNAL DEATHS BY CAUSES

	1939	1940	1941	1942	1943	1944	1945	1946	1947
TOTAL DEATHS - - - - -	30	29	26	22	18	9	18	16	12
PUERPERAL SEPTICAEMIA - - - - -	5	2	5	2	4	-	4	2	1
ECTOPIC PREGNANCY - - - - -	1	2	2	2	-	2	3	1	-
CAESARIAN SECTION - - - - -	3	8	-	3	3	-	-	3	1
SELF-INDUCED ABORTION - - - - -	5	-	-	-	-	-	-	-	-
SPONTANEOUS ABORTION - - - - -	3	-	2	2	-	-	-	-	-
ECLAMPSIA - - - - -	2	2	5	1	2	1	2	1	1
OTHER ACCIDENTS OF PREGNANCY - - - - -	8	-	-	-	4	-	2	3	1
PLACENTA PRAEVA - - - - -	-	2	2	-	-	1	2	-	-
POST PARTUM HEMORRHAGE - - - - -	2	4	2	4	2	-	5	2	4
ACCIDENTAL ABORTIONS - - - - -	1	4	-	-	-	-	-	-	-
SHOCK FORCE DEL. V. BREACH PRES. - - - - -	-	3	1	-	1	-	-	-	-
TOXEMIA OF PREGNANCY - - - - -	-	2	3	-	-	-	-	1	-
CRIMINAL ABORTION (PUERPERA) - - - - -	-	-	2	2	-	1	-	-	-
CARDIAC FAIL. PREGNANCY - - - - -	-	-	-	4	-	3	-	1	-
LOSAR PNEUMONIA - - - - -	-	-	-	-	-	-	-	-	-
PULMONARY EMBOLISM - - - - -	-	-	-	-	-	-	-	1	1
AC. PERITONITIS FOLL. PARTUITION - - - - -	-	-	-	-	-	-	-	-	1
SPIN. ANAES., NORMAL REMOVAL OF PLACENTA - - - - -	-	-	-	-	-	-	-	-	1
HEM., SHOCK, RUPT. UTERUS, NORMAL DEL. - - - - -	-	-	-	-	-	-	-	-	1
MATERNAL MORTALITY PER 1,000 DELIVERIES - - - - -	3.7	3.3	2.6	1.8	1.5	0.8	1.5	1.2	0.8

## ACCIDENTAL DEATHS

THERE WERE ONLY 200 DEATHS DUE TO ACCIDENTS IN 1947, THE LOWEST TOTAL EVER RECORDED. OUTSTANDING IN THIS ENCOURAGING RECORD IS THE REDUCTION IN AUTOMOBILE AND MOTORCYCLE ACCIDENT DEATHS WITH ONLY 36, WHICH IS ALSO AND BY FAR THE LOWEST EVER RECORDED SINCE AUTOMOBILES BECAME POPULAR. THE LOWEST PREVIOUS RECORD OF AUTO DEATHS WAS 57 IN 1945. EVEN 30 YEARS AGO IN OUR ANNUAL REPORT WE FIND A WARNING AS TO STREET ACCIDENTS WITH 80 DEATHS BY AUTOMOBILES, 14 BY STREET CARS AND 3 BY HORSE-DRAWN VEHICLES.

ACCIDENTAL FALLS HAS FOR TEN YEARS BEEN THE LEADING CAUSE OF ACCIDENTAL DEATHS. THERE WERE 79 IN 1947, ALTHOUGH THIS WAS ALSO THE LOWEST EVER RECORDED. ILLUMINATING GAS DEATHS NUMBERED 17. DURING THE WAR YEARS WITH MANY MAKE-SHIFT GAS HEATING AND COOKING ARRANGEMENTS, AS IN FURNISHED ROOMS, THAT NUMBER REACHED 26 IN 1944. EVERY SUCH DEATH IS INVESTIGATED TO ENFORCE A LOCAL ORDINANCE REQUIRING PERMANENT METAL GAS CONNECTIONS AND PROHIBITING USE OF THE OLD FASHIONED RUBBER TUBING. A BAD INCREASE WAS IN THE 12 BABY DEATHS FROM ASPHYXIA WITH BED CLOTHING. THIS IN SPITE OF THE FACT THAT OUR NURSES ARE CONSTANTLY ADVISING PARENTS AS TO MEANS OF PREVENTING THIS HAZARD.

## ACCIDENTAL DEATHS BY PRINCIPAL CAUSES

	1947	1946	1945	1944	1943	1942	1941	1940	1939	1938
TOTAL - - - - -	200	234	271	270	304	271	235	250	226	269
AUTOMOBILE AND MOTORCYCLE - - - - -	36	66	57	77	90	76	69	73	73	62
ACCIDENTAL FALLS - - - - -	79	90	107	92	87	93	80	83	81	101
ACCIDENTAL BURNS - - - - -	7	12	13	14	19	13	16	9	16	20
ASPHYX. - BED CLOTHES - - - - -	12	8	9	3	6	9	6	8	9	5
ALCOHOLISM - - - - -	-	2	5	9	8	5	4	7	5	6
POISON - - - - -	1	3	3	-	-	-	4	4	5	4
CRUSHING - - - - -	3	6	8	2	2	7	7	6	-	-
CONFLAGRATION - - - - -	18	8	11	9	9	4	3	13	-	10
DROWNING - - - - -	7	5	4	5	13	11	3	10	9	12
ELECTROCUTION - - - - -	-	3	1	2	1	1	1	2	-	3
ELEVATOR - - - - -	-	-	1	1	-	-	1	1	1	-
HEAT EXHAUSTION - - - - -	1	1	1	7	4	1	3	2	2	5
ILLUMINATING GAS - - - - -	17	13	23	26	23	16	6	13	4	8
RAILROAD - - - - -	5	2	5	5	6	12	2	7	-	5
TROLLEY - - - - -	-	-	1	-	3	-	-	-	-	-
U.S. PLANE CRASH - - - - -	2	-	-	-	-	-	-	-	-	-
MISCELLANEOUS - - - - -	12	15	22	18	33	17	10	22	19	17





INFANT MORTALITY (29.2 - THE LOWEST EVER)

WE CONSIDER OUR OUTSTANDING RECORD

FOR 1947 TO BE OUR INFANT MORTALITY

RATE OF 29.2 PER 1000 LIVING BIRTHS, WHICH IS THE LOWEST EVER RECORDED. THIRTY YEARS AGO WHEN INFANT HYGIENE WORK WAS ESTABLISHED THE RATE AVERAGED OVER 90 PER 1000, AND OUR GOAL WAS THAT SOME DAY IT WOULD FALL TO 50. IT FELL BELOW 50 IN 1932, BELOW 40 IN 1938 AND BELOW 30 IN 1942. HAD THE RATE OF 30 YEARS AGO REVEALED WE WOULD HAVE HAD 1271 INFANT DEATHS THIS YEAR INSTEAD OF 429. AS INFANT HYGIENE WORK CAN DO LITTLE TO PREVENT DEATHS IN THE FIRST MONTH OF LIFE, MOST OF THEM IN THE FIRST FEW DAYS OR HOURS, THE NEO-NATAL RATE WHICH IS DEATHS UNDER ONE YEAR, BUT OVER ONE MONTH, IS THE BEST INDEX AS TO THE RESULTS OF SUCH WORK. THAT RATE IN 1938 WAS 65.4. IN 1947 IT ESTABLISHED A NEW LOW RECORD OF 6.7.

BIRTH STATISTICSBIRTH RATE - 33.1 (HIGHEST EVER)

THERE WERE 14,710 BIRTHS IN NEWARK OR A RATE

OF 33.1 PER 1000 POPULATION AND THE HIGHEST

EVER RECORDED. THE FOLLOWING TABLE SHOWS THE TREND IN OUR BIRTH RATE AND IT IS PARTICULARLY INTERESTING TO NOTE THAT 98% OF BABIES ARE NOW DELIVERED IN HOSPITALS, 17% BY PHYSICIANS AT HOME AND ONLY 1/2% DELIVERED BY MIDWIVES.

BIRTHS DATA 1947

<u>TOTAL BIRTHS</u>	<u>14,710</u>	<u>WHITE</u>	<u>12,741</u>	<u>STILLBIRTHS</u>	<u>355</u>
MALES . .	7,528	COLORADO	1,864	ILLEGITIMATE	490
FEMALES .	7,182	YELLOW	5		

<u>YEAR</u>	<u>TOTAL BIRTHS</u>	<u>BIRTH RATE</u>	<u>PHYSICIAN DEL. AT HOME</u>	<u>HOSPITAL DELIV.</u>	<u>MIDWIFE DEL. HOME</u>
1947	14,710	33.1	211	14,419	80
1946	13,427	30.3	225	13,094	108
1945	11,254	25.4	273	10,867	114
1944	10,792	24.5	330	10,306	156
1943	11,856	26.9	432	11,230	194
1942	12,016	28.0	376	11,479	161
1941	9,765	22.8	325	9,282	158
1940	8,538	19.9	401	7,952	185
1939	7,950	17.3	401	7,315	234
1938	7,936	17.3	546	7,106	283
1937	7,659	16.7	603	6,682	374
1936	7,236	15.8	778	6,025	433
1935	7,638	16.8	1,047	6,076	515

NEGRO HEALTH STATISTICS

THE ESTIMATED NEGRO POPULATION OF NEWARK IS 50,000 OR APPROXIMATELY 1% OF THE TOTAL. ALTHOUGH THE VARIOUS MORTALITY RATES IN THIS GROUP ARE RATHER HIGH, THE NATURAL RESULT OF ECONOMIC, EDUCATIONAL AND HOUSING HANDICAPS. A STUDY OF THE VARIOUS RATES FOR THE PAST 11 YEARS IS RATHER ENCOURAGING. THE TUBERCULOSIS RATE, FOR EXAMPLE, HAS DECREASED FROM 388 FOURTEEN YEARS AGO, TO 247 IN 1947, A REDUCTION OF 36%, AND INFANT MORTALITY IN THOSE FEW YEARS HAS FALLEN FROM 89.5 TO 54.3 PER 100 LIVING BIRTHS, OR A REDUCTION OF APPROXIMATELY 39%. IT IS ENCOURAGING TO NOTE THAT ONLY 2 PLEURAL SEPTICEMIA DEATHS HAVE OCCURRED IN THE PAST SIX YEARS AMONG 8,667 BIRTHS AND ONLY ONE PLEURAL DEATH IN 1947 OF ANY TYPE, WITH 1,964 BIRTHS OR A MATERNAL MORTALITY RATE OF 0.5 PER 1000 DELIVERIES. DEATHS FROM ALL CAUSES NUMBERED 754 OR 5.1 PER 1000, A SLIGHT INCREASE OVER THE RECORD LOW OF 1946.

NEGRO BIRTHS TOTAL 1,964 OR A RATE OF 37.3 PER 1000 POPULATION, THE HIGHEST RATE EVER RECORDED. IT IS QUOTE POSSIBLE THAT OUR ESTIMATE OF 50,000 BASED ON A REASONABLE INCREASE SINCE THE 1940 CENSUS MAY STILL BE LOW. IN THAT CASE, REDUCTION IN MORTALITY RATES WOULD BE GREATER THAN AS SHOWN BELOW.



# NEGRO HEALTH STATISTICS

YEAR	DEATH		BIRTH		T.B.		INFANT		MATERIAL		DEATHS		RATE PER M. DE.
	DEATHS	RATE	BIRTHS	RATE	DEATHS	D. RATE	DEATHS	M. RATE	SEPT.	TOTAL			
1936	789	18.8	883	21.0	163	308.1	79	89.5	2	8			9.1
1937	618	14.4	846	19.7	112	360.5	53	61.6	3	5			6.0
1938	690	16.0	997	23.2	131	304.7	62	62.2	1	4			4.0
1939	690	14.3	965	21.9	117	365.9	72	74.6	1	8			8.3
1940	695	15.4	1043	23.2	138	306.6	74	70.9	1	10			10.0
1941	662	14.7	1070	23.8	119	264.4	67	62.6	2	5			5.0
1942	721	16.0	1247	27.5	125	277.7	69	54.5	0	1			1.0
1943	729	15.2	1242	25.9	117	243.9	74	59.5	1	4			3.0
1944	679	14.1	1326	27.6	119	247.8	76	57.3	0	2			1.6
1945	739	14.8	1393	27.9	115	230.0	77	55.3	1	3			2.1
1946	678	13.6	1595	31.9	122	244.0	87	54.5	1	5			3.1
1947	754	15.1	1964	37.3	120	240.0	107	54.0	0	1			0.5

## CONTAGIOUS DISEASE PREVALENCE

THERE WAS NO LARGE PREVALENCE OF MAJOR CHILDHOOD CONTAGION DURING THE YEAR, AS ILLUSTRATED IN THE FOLLOWING TABLE. IT INCLUDE PNEUMONIA, ALTHOUGH IT IS NOT LIMITED TO CHILDREN AS IT HAS ALWAYS BEEN PARTICULARLY FATAL AMONG INFANTS.

DISEASE	1947		11-YEAR NORMAL	
	CASES	DEATHS	CASES	DEATHS
PNEUMONIA (ALL FORMS) - - - - -	996	160	1577	244
DIPHTHERIA - - - - -	2	0	2	0
SCARLET FEVER - - - - -	433	0	642	1
EPIDEMIC MENINGITIS - - - - -	21	3	36	5
WHOPPING COUGH - - - - -	1373	1	1089	4
INFANTILE PARALYSIS - - - - -	17	0	18	1

THE MOST PREVALENT OF THE MINOR  
NON-FATAL CHILDHOOD DISEASES WERE:

CHICKENPOX - - - - -	* 5120	2957
MUMPS - - - - -	2707	1263
MEASLES - - - - -	454	4105
GERMAN MEASLES - - - - -	171	379

\* HIGHEST YEAR PREVALENCE EVER RECORDED.

THERE WERE NO DEATHS FROM ANY OF  
THESE MINOR CONTAGIOUS DISEASE CAUSES.



# EXECUTIVE DIVISION

ROBERT F. MORGAN, ASST. HEALTH OFFICER

THE EXECUTIVE DIVISION PROVIDES THE GENERAL ADMINISTRATIVE FUNCTIONS OF THE DEPARTMENT FOR THE HEALTH OFFICER. THIS INCLUDES ACCOUNTING, VITAL STATISTICS, PUBLICITY AND HEALTH EDUCATION, PERSONNEL RECORDS AND ASSIGNMENT, CLEANING AND MAINTENANCE, PRINTING AND MULTIGRAPHING, MONTHLY AND ANNUAL REPORTS AND PAROCHIAL SCHOOL MEDICAL INSPECTION.

## PAROCHIAL SCHOOL MEDICAL INSPECTION

ANN REILLY, R.N., SUPERVISING NURSE

MEDICAL INSPECTION AND HEALTH EDUCATION OF SCHOOL CHILDREN IS SUPPLIED IN THE PUBLIC SCHOOLS BY THE BOARD OF EDUCATION. THIS VITAL WORK FOR 12,804 PAROCHIAL SCHOOL

CHILDREN IN 29 SCHOOLS, IS PROVIDED BY OUR DEPARTMENT WITH A SUPERVISING AND AN ASST. SUPERVISING NURSE AND 14 SCHOOL NURSES. THEY ARE AIDED BY THE PHYSICIANS OF OUR VARIOUS DIVISIONS, THE DEPARTMENT SOCIAL WORKER, DIETICIAN AND DENTISTS, AND THE DISPENSARY CLINICS. PHYSICIANS ROUTINELY EXAMINE ALL CHILDREN IN 1ST GRADE, 4TH GRADE AND 8TH GRADE. NOTE 100% DIPHThERIA IMMUNIZATION.

## SUMMARY OF WORK

	DEFECTS	CURES	MENTAL BEHAVIOUR - - - - -	32
TEETH - - - - -	7218	4563	EXCLUSIONS (VARIOUS CONDITIONS)	1337
NOSE & THROAT - - - - -	2061	1041	VACCINATIONS - - - - -	4930
EYE & EAR - - - - -	1327	932	SCHOOL TREATMENTS - - - - -	27096
VERMIN & UNCLEAN - - - - -	1618		CLASS INSPECTION & TALKS - - - - -	6597
SKIN - - - - -	2710	1969	RE-INSPECTIONS - - - - -	48433
			PHYSICAL EXAM. NURSE - - - - -	20090
			" " DOCTOR - - - - -	8541
			GENERAL HOME CALLS - - - - -	535
			IMMUNIZED AGAINST DIPHThERIA - - - - -	100 %

## BOUARD OF VISUAL HEALTH EDUCATION

PETER COVEN, SUPERVISOR

HEALTH EDUCATION HAS BEEN AIDED THROUGH THE MEDIUM OF MOTION PICTURES AND EXHIBITS OF WHICH THERE WERE 59 SHOWINGS DURING 1947 TO APPROXIMATELY 5200 PERSONS. THE ACTIVITIES

OF THE HEALTH DEPARTMENT ARE FREQUENTLY PORTRAYED THROUGH THE USE OF KODACHROME SLIDES WHICH VISUALIZE THE SPEAKER'S WORDS. THE GROUPS CONTACTED INCLUDED INDUSTRIAL WORKERS, CLUB MEN AND WOMEN, CIVIC AND SERVICE CLUBS, FRATERNAL ORGANIZATIONS, VETERAN ORGANIZATIONS, HOSPITAL STAFFS, NURSES AIDE GROUPS, YOUTH LEADERS, UNION ORGANIZATIONS, PAROCHIAL SCHOOL CHILDREN, HOUSING PROJECT TENANTS, PARENT-TEACHER UNITS, ETC.

## LEGAL WORK

JILTON GOODMAN, SANITARY INSPECTOR

HANDLING OF COURT CASES IS GREATLY AIDED BY THE SERVICES OF AN INSPECTOR WHO IS A QUALIFIED LAWYER. HE NOT ONLY COOPERATES WITH THE CITY LAW DEPARTMENT WHICH OFFICIALLY

HANDLES ALL CITY WORK, BUT IS PRESENT AT ALL DIVISIONAL MEETINGS. EACH INSPECTIONAL DIVISION HOLDS WEEKLY HEARINGS BEFORE THE HEALTH OFFICER. CASES ARE DISCLOSED AND DISPOSITION MADE BY THE HEALTH OFFICER. CASES REFFERED FOR COURT ACTION ARE GREATLY REDUCED BY THIS ARRANGEMENT. OUT OF ABOUT 2500 SUCH CASES DURING 1947, ONLY 458 WERE TAKEN TO COURT. IN ADDITION TO SECURING ABATEMENTS IN THESE CASES, \$1,160.00 IN PENALTIES WERE IMPOSED AGAINST VIOLATORS.

## MAINTENANCE

FRANK LAWSON, CUSTODIAN

CLEANING AND MAINTENANCE IS PROVIDED FOR THE MAIN BUILDING AND TWO NEARBY ANNEXES, AS WELL AS 22 OUTSIDE CLINICS USED FOR BABY-KEEP-WELL STATIONS, TUBERCULOSIS EXAMINATIONS, PRE-NATAL CLINICS AND DENTAL CLINICS.

## FINANCE - VITAL STATISTICS

FRANK SHEA, ACCOUNTANT  
CORA M. KIMBALL, STATISTICAL CLERK

IMMEDIATELY FOLLOWING ARE THE FINANCIAL STATEMENT AND THE VITAL STATISTICS TABLES OF MAJOR PUBLIC HEALTH INTEREST.



# F I N A N C I A L   S T A T E M E N T - 1947

<u>DISBURSEMENTS</u>	PERSONAL SERVICE - SALARIES . . . . .	\$ 117,174.00
	OTHER THAN PERSONAL SERVICE -	
	FURNITURE, X-RAY, PRINTING EQUIPMENT . . .	4,500.00
	DRUGS AND SURGICAL SUPPLIES . . . . .	19,500.00
	RENTS, TAXES, ANNEXES, BABY STATIONS . . .	1,500.00
	POSTAGE, POST CARDS, STAMPED ENVELOPES . .	5,750.00
	TELEPHONE SWITCHBOARD SERVICES . . . . .	4,200.00
	COAL, LIGHT AND HEAT . . . . .	3,750.00
	STATIONERY AND PRINTING . . . . .	4,900.00
	LAUNDRY SERVICES . . . . .	2,180.00
	MEDICAL TREATMENTS - INDIGENT . . . . .	12,000.00
	JANITOR SUPPLIES . . . . .	1,794.00
	LABORATORY AND SURGICAL APPARATUS . . . .	900.00
	AUTOMOBILE AND MOTORCYCLE SUPPLIES . . .	2,600.00
	CARFARMS, AUTO HIRE, CONVENTION EXPENSE .	350.00
	IN-SERVICE TRAINING - EMPLOYEES . . . . .	284.00
	LINENS AND UNIFORMS . . . . .	1,200.00
	RENTAL OF BUSINESS MACHINES . . . . .	642.00
	INSURANCE . . . . .	1,250.00
	MILK AND FOOD SAMPLES . . . . .	860.00
	SCORING DAIRY EXPENSE . . . . .	140.00
	LICENSE PLATES AND TAGS . . . . .	200.00
		<u>89,500.00</u>
	TOTAL . . . . .	\$ 1,206,674.00

## DISBURSEMENTS BY DIVISIONS

	SALARIES	SUPPLIES
EXECUTIVE . . . . .	\$ 66,009.10	\$ 18,430.00
SANITARY . . . . .	93,089.48	4,310.00
INDUSTRIAL HYGIENE . . . . .	53,475.00	269.00
OCCUPATIONAL . . . . .	39,900.00	-
CONTAGIOUS . . . . .	82,000.00	2,050.00
PLUMBING . . . . .	36,800.00	505.00
PARCHIAL . . . . .	50,100.00	270.00
FOOD AND DRUG . . . . .	105,000.00	2,200.00
TUBERCULOSIS . . . . .	50,800.00	60.00
VETERINARY . . . . .	57,400.00	60.00
VETERAL . . . . .	116,300.00	5,488.00
DISPENSARY . . . . .	208,012.42	39,517.89
LABORATORY . . . . .	43,200.00	4,194.56
CHILD HYGIENE . . . . .	<u>115,088.00</u>	<u>1,700.55</u>
TOTAL . . . . .	\$1,117,174.00	\$ 89,500.00

<u>RECEIPTS</u>	<u>PERMITS</u>	ANIMAL . . . . .	\$ 1.40
	"	CHICKEN . . . . .	265.00
	"	CHICKEN SLAUGHTERHOUSE . . . . .	850.00
	"	PLUMBING . . . . .	3,452.50
	<u>LICENSES</u>	ICE . . . . .	620.50
	"	MILK . . . . .	4,886.50
	"	PLUMBING . . . . .	3,510.00
	"	REFUSE . . . . .	90.00
	"	LIVE POULTRY . . . . .	90.00
	<u>FEES</u>	REAL ESTATE SANITARY INSPECTION . . . .	32.00
	"	PLUMBERS EXAMINATION . . . . .	1,625.00
	"	BACTERIOLOGICAL EXAMINATION . . . . .	773.00
	"	OUT-OF-TOWN TREATMENT CLINICS . . . . .	241.50
	<u>MISC.</u>	CASH SALES PRESCRIPTION BOTTLES . . . .	180.30
	"	TELEPHONE CALLS AND REFUNDS . . . . .	31.94
	"	CASH SALE POSTAGE STAMPS . . . . .	48.20
	"	CASH SALE DAIRY SCORE PADS, OLD FILM, &c.	<u>106.70</u>
		DEPOSITED WITH CITY COMPTROLLER AS MISCELLANEOUS REVENUE	\$ 16,804.54

FEES ARE RECEIVED FROM MILK PRODUCERS AND CREDITED TO A SPECIAL "DAIRY INSPECTION ACCOUNT". THESE RECEIPTS ARE USED BY MILK INSPECTORS FOR TRAVEL AND OTHER EXPENSE IN SUPERVISING NEWARK'S MILK SUPPLY . . . . . \$14,896.00





## TRENDS IN HEALTH TRENDS 1917-1947

YEAR	DEATHS UNDER 15	INFANT MORTAL- ITY **	BIRTHS	BIRTH RATE	DIARR. DEATHS UNDER 5	T. B. DEATHS	T. B. DEATH RATE	DIPH- THERIA DEATHS	TYPHOID DEATHS	ERTS DIS- THS	ORG. HRT. DTHS
1917	1931	87.8	1824	29.1	315	820	202.5	50	17	698	599
1918	1215	104.7	11575	27.0	331	798	85.6	82	15	629	633
1919	862	76.2	11297	25.7	295	637	144.8	50	9	501	529
1920	994	84.7	11734	28.3	244	540	130.4	62	8	507	492
1921	837	71.5	11705	27.5	210	446	104.9	44	12	417	510
1922	825	74.8	10993	25.4	167	428	99.1	73	12	346	640
1923	756	68.0	11110	25.3	133	406	92.5	34	1	340	727
1924	746	65.2	11449	25.7	132	392	87.9	39	12	399	729
1925	746	68.7	10852	24.0	129	378	83.4	42	5	343	850
1926	753	71.9	10460	22.7	128	421	94.5	21	7	331	948
1927	634	63.3	10010	21.5	82	387	82.9	62	6	266	019
1928	626	63.8	9802	20.7	78	412	86.9	95	5	298	002
1929	594	59.6	9975	20.7	52	441	91.8	96	5	258	1047
1930	512	52.3	9784	22.2	45	445	101.7	48		244	1005
1931	491	52.3	9506	21.4	36	412	92.4	16	2	224	980
1932	371	42.3	8746	19.4	16	360	80.0	2	4	242	958
1933	356	45.1	7897	17.6	18	388	85.8		2	228	1091
1934	342	45.2	7565	16.7	23	317	69.8	1	1	227	1082
1935	417	54.6	7638	16.8	24	316	69.4	1	1	201	1118
1936	332	45.9	7236	15.8	16	340	75.7	0	1	214	1167
1937	287	37.6	7659	16.7	32	301	65.8	1	0	168	1158
1938	310	39.1	7936	17.9	12	287	62.7	1	2	149	1201
1939	303	38.1	7950	17.3	20	277	69.3	1	4	154	1240
1940	300	35.1	8538	19.9	14	309	11.9	0	0	124	1160
1941	318	32.6	9765	22.8	13	274	63.9	0	0	222	1530
1942	352	29.3	12016	28.0	12	288	66.1	0	0	223	1756
1943	367	30.9	11856	26.9	15	294	16.8	1	0	276	975
1944	375	34.7	10792	24.5	23	257	58.4	0	0	271	1744
1945	390	34.7	11254	25.4	10	247	55.8	0	2	274	1764
1946	416	30.9	13427	30.3	3	26	50.0	0	0	245	1663
1947	429	29.2	14710	33.1	13	259	58.2	0	0	281	1724

\*\* FOR NEO NATAL MORTALITY SEE "OTHER MORTALITY TRENDS"



## OTHER MORTALITY TABLES SINCE 1894

YEAR	POPULATION	CRUDE DEATHS	CRUDE DEATH RATE PER 1,000	RATES PER 100,000			INFANT MORTALITY RATE		
				SCARLET FEVER	TYPHOID FEVER	DIPHTHERIA	UNDER 1 MO.	1 TO 12 MONTHS	UNDER 1 YR.
1894	203,923	4,543	22.28	33.8	16.7	-			
1895	215,725	4,615	21.37	16.2	23.2	126.6			
1896	225,000	4,716	20.96	7.6	20.9	96.9			
1897	230,000	4,010	17.43	23.5	14.3	52.6			
1898	235,000	4,303	18.30	6.4	17.4	56.6			
1899	240,000	3,537	18.90	14.2	25.0	51.7			
1900	246,070	5,006	20.34	22.4	20.3	58.1			
1901	250,000	4,806	19.22	9.2	22.8	41.2			
1902	255,000	4,943	19.38	18.0	18.4	41.2			
1903	266,000	4,923	18.50	26.7	23.7	45.1			
1904	272,000	5,378	19.77	44.1	14.7	55.1			
1905	283,233	5,025	17.74	15.9	14.1	38.8			
1906	290,000	5,551	19.14	11.7	17.2	34.1			
1907	300,000	5,724	19.08	13.7	23.0	31.7			
1908	305,000	5,207	17.07	29.2	11.5	21.6			
1909	311,000	5,529	17.77	22.5	12.5	38.8			
1910	347,469	5,764	16.64	11.2	12.7	29.9			
1911	352,000	5,337	15.16	6.0	10.5	21.0			
1912	370,000	5,423	14.65	3.0	7.0	24.6			
1913	380,000	5,562	14.63	6.9	7.9	28.0	38.8	54.2	93.0
1914	395,000	5,809	14.70	6.8	6.6	10.4	36.9	59.9	96.8
1915	375,000	5,382	14.30	1.6	2.9	13.1	36.4	48.9	85.3
1916	385,000	6,357	16.50	1.8	6.0	14.8	38.0	51.6	89.6
1917	405,000	6,205	15.30	0.7	4.2	12.3	38.9	48.9	87.8
1918	430,000	8,403	19.72	2.6	3.5	19.1	39.3	45.4	104.7
1919	440,000	5,534	12.57	2.7	2.0	11.3	33.1	43.1	76.2
1920	414,216	5,551	13.40	2.9	1.9	14.9	38.7	44.0	84.7
1921	425,000	4,774	11.24	5.9	2.8	10.4	36.4	35.1	7.5
1922	432,000	5,209	12.06	3.5	2.8	16.9	35.3	39.5	74.8
1923	439,000	5,221	11.67	1.1	2.5	7.7	36.0	32.0	68.0
1924	446,000	5,004	11.22	1.8	2.7	8.7	32.3	32.9	65.2
1925	453,000	5,310	11.67	2.0	1.1	9.3	30.3	38.4	68.7
1926	460,000	5,450	11.85	1.3	1.5	4.6	35.3	36.4	71.9
1927	467,000	5,086	10.90	2.6	1.3	13.3	34.8	28.5	63.3
1928	474,000	5,512	11.63	1.3	1.0	20.0	34.8	29.1	63.9
1929	480,000	5,632	11.74	0.8	0.6	20.0	31.2	28.4	59.6
1930	447,000	5,239	11.92	0.7	0.2	10.9	27.9	24.7	52.1
1931	445,000	5,073	11.40	2.0	4.5	3.6	30.0	21.5	51.5
1932	450,000	4,682	10.40	0.7	0.9	0.5	25.5	16.7	42.2
1933	452,000	4,930	10.91	0.9	0.5	0.2	24.8	20.3	45.1
1934	454,000	4,764	10.49	0.4	0.2	0.2	27.2	18.0	45.2
1935	455,000	4,996	10.56	0.2	0.0	0.2	32.9	21.7	54.6
1936	457,000	5,331	11.18	1.5	0.2	NONE	27.5	19.4	45.9
1937	458,100	5,06	11.03	0.2	0.0	0.2	21.8	15.7	37.5
1938	458,000	4,970	10.85	0.2	0.4	0.2	24.6	11.5	39.1
1939	459,000	4,855	10.58	0.9	0.9	0.2	24.3	13.8	38.1
1940	429,000	5,025	11.71	NONE	NONE	NONE	24.7	10.4	35.1
1941	429,000	5,127	11.62	NONE	NONE	NONE	23.2	9.4	32.6
1942	429,000	5,256	11.86	0.2	NONE	NONE	21.9	7.4	29.3
1943	440,000	5,702	12.55	0.2	NONE	0.2	21.5	9.4	30.9
1944	440,000	5,201	11.88	0.2	NONE	NONE	25.0	9.7	34.7
1945	443,000	5,292	11.60	0.2	0.4	NONE	22.7	12.0	34.7
1946	443,000	4,937	11.14	NONE	NONE	NONE	23.8	7.2	31.0
1947	445,000	5,097	11.54	NONE	NONE	NONE	22.5	6.7	29.2



## TOTAL DEATHS BY AGE GROUPS 9-7-1947

YEAR	TOTAL DEATHS	UNDER YR.	1 AND UND 2	2 AND UND 5	TOTAL UND 5	5-14	15-24	25-44	45-64	65 & OVER
1907	6275	038	244	179	1461	237	340	1275	1637	1255
1910	8484	1215	433	434	2082	314	780	2308	1754	1245
1919	5534	862	190	186	1238	249	345	1204	1376	1122
1920	5551	994	253	192	1439	220	327	1041	1379	1145
1921	4776	837	136	134	1107	194	248	910	1256	1061
1922	5209	822	198	166	1186	232	248	925	1414	1184
1923	5221	756	163	136	1055	196	305	872	1503	1290
1924	5111	746	130	139	1015	199	268	975	1470	1184
1925	5447	746	132	144	1022	206	279	1018	1640	1288
1926	5606	753	187	158	1098	156	277	1015	1618	1442
1927	5296	636	109	112	857	210	277	974	1724	1254
1928	5735	626	156	186	968	245	304	1002	1794	1422
1929	5857	594	104	152	850	192	308	1162	1768	1577
1930	5447	512	83	119	714	188	327	1037	1788	1393
1931	5306	490	64	98	652	172	252	1025	1747	1458
1932	4850	371	41	73	485	128	228	890	1677	1442
1933	5128	356	68	96	520	141	215	914	1775	1563
1934	4921	342	54	54	450	117	192	824	1779	1559
1935	4996	417	46	60	523	117	190	864	1788	1514
1936	533	332	45	45	422	116	208	861	1892	1832
1937	5256	287	51	61	400	115	202	812	1877	1850
1938	5116	310	29	45	384	86	179	751	1845	1871
1939	5005	303	23	24	350	97	168	704	1777	1909
1940	5207	300	26	33	359	55	168	703	1934	1988
1941	5127	318	30	34	382	62	138	639	1948	1958
1942	5256	352	25	36	413	50	151	682	1935	2025
1943	5702	367	24	44	435	66	148	660	2074	2313
1944	5201	375	24	29	428	67	113	618	1904	2071
1945	5292	390	24	31	445	75	124	564	1933	2151
1946	5079	416	14	31	461	51	112	561	1810	2083
1947	5238	429	24	33	486	32	98	591	1898	2153

"TOTAL DEATHS" INCLUDES ALL DEATHS IN NEWARK BOTH RESIDENT AND NON-RESIDENT AS WELL AS DEATHS OF NEWARKERS AT SOHO AND VERONA.



## DEATHS AND DEATH RATES BY CAUSE AND COLOR 1946-1947

## TOTAL

## NEGRO

	1947		1946		1947		1946	
	RATE	DEATHS	RATE	DEATHS	RATE	DEATHS	RATE	DEATHS
INFANTILE PARALYSIS	-	-	0.9	4	-	-	-	-
TYPHOID FEVER	-	-	-	-	-	-	-	-
MALARIA	-	-	-	-	-	-	-	-
SMALLPOX	-	-	-	-	-	-	-	-
EASLES	-	-	0.4	2	-	-	-	-
SCARLET FEVER	-	-	-	-	-	-	-	-
WHOPPING COUGH	0.2	1	0.2	1	-	-	2.0	1
DIPHTHERIA	-	-	-	-	-	-	-	-
INFLUENZA	0.8	4	0.9	4	-	-	2.0	1
EPIDEM. MENING. (CER. SPIN.)	0.6	3	1.6	7	-	-	2.0	1
OTHER EPIDEMIC DISEASES	0.4	2	-	-	-	-	-	-
TUBERCULOSIS OF LUNGS	53.7	239	51.7	229	212.0	106	204.0	102
TUBERCULOSIS MENINGITIS	1.6	8	3.0	13	12.0	6	20.0	10
OTHER TUBERCULOSIS	2.4	12	4.3	19	16.0	8	20.0	0
CANCER - MALIGN. TUMOR	175.5	781	165.7	735	164.0	82	124.0	62
SIMPLE MENINGITIS	1.8	9	2.0	9	2.0	1	6.0	3
SOFT. OF BRAIN - APOPLEXY	111.9	498	104.5	463	12.0	56	110.0	55
ORGANIC HEART DISEASE	387.4	1724	375.4	1653	286.0	143	284.0	142
BRONCHITIS	1.8	9	2.3	10	4.0	2	2.0	1
PNEUMONIA, LOBAR	15.9	71	21.0	93	30.0	15	34.0	17
PNEUMONIA, BRONCHO	20.0	89	21.7	96	30.0	15	12.0	6
OTHER RESP. DISEASES	24.9	111	25.5	113	28.0	14	22.0	11
STOMACH (CANCER EXCEPTED)	5.6	25	4.3	19	17.0	5	8.0	4
DIARRHOEA (UNDER 5 YEARS)	2.9	13	0.7	3	4.0	2	-	-
APPENDICITIS & TYPHILITIS	2.5	11	4.3	19	4.0	2	4.0	2
HERNIA, INT. OBSTRUCTION	8.7	39	8.1	36	18.0	9	14.0	7
CIRRHOSIS OF LIVER	12.3	55	11.5	51	2.0	1	10.0	5
BRIGHT'S DIS. & NEPHRITIS	63.1	281	55.3	245	102.0	51	82.0	41
DIS. OF OWEN (NOT CANCER)	1.1	5	.6	7	6.0	3	6.0	3
PUERPERAL SEPTICAEMIA	0.2	1	0.4	2	-	-	2.0	1
OTHER PUERPERAL DISEASE	2.5	11	3.2	14	-	-	8.0	4
CONG. DEBILITY & MALF.	75.7	337	74.7	331	162.0	81	132.0	66
OLD AGE	4.3	19	3.0	13	2.0	1	-	-
ACCIDENT	44.9	200	52.8	234	80.0	40	70.0	35
HOMICIDE	5.2	23	6.3	28	32.0	16	38.0	19
SUICIDE	11.4	51	9.5	42	4.0	2	6.0	3
ILL-DEF. NEG.	14.1	63	12.2	54	28.0	14	10.0	5
ALL OTHER CAUSES	22.0	543	17.7	517	158.0	79	122.0	61

## DEATHS - CERTAIN CAUSES IN AGE GROUPS - 1947

CAUSES OF DEATH	TOTAL DEATHS	UNDER 5		5 TO 24		25 TO 44		45 TO 64		65 & OVER	
		DEATHS	% DEATHS	DEATHS	% DEATHS	DEATHS	% DEATHS	DEATHS	% DEATHS	DEATHS	%
TOTALS	5238	486	9.0	130	2.6	571	10.9	1898	36.3	253	41.2
MEASLES	-	-	-	-	-	-	-	-	-	-	-
WHOPPING COUGH	1	1	100.0	-	-	-	-	-	-	-	-
DIARRHOEAL DIS.	13	13	100.0	-	-	-	-	-	-	-	-
EARLY INFANCY	337	337	100.0	-	-	-	-	-	-	-	-
INFLUENZA	4	2	50.0	-	-	-	-	-	-	-	-
PNEUMONIA	60	34	21.2	4	2.5	11	6.9	47	29.4	64	40.0
BRONCHITIS	9	4	44.5	-	-	1	11.1	2	22.2	2	22.2
PULM. T. B.	239	-	-	38	15.9	96	40.2	83	34.7	22	9.2
BRIGHT'S DIS.	281	2	0.7	8	2.8	49	17.4	104	37.1	118	42.0
CANCER	781	2	0.3	6	0.8	64	8.2	403	51.4	306	39.3
APOPLEXY	498	-	-	-	-	25	5.0	195	39.2	278	55.8
ORG. HT. DIS.	1724	3	0.2	15	0.9	115	6.9	652	37.7	939	54.3
ACCIDENTS	200	25	12.5	16	8.0	33	16.5	59	29.5	67	33.5





	1947	1946	1945	1944	1943	1942	1941	1940	1939	1938
TOTAL -- ALL CAUSES	5238	5078	5292	5201	5702	5256	5127	5207	5005	5116
INFANTILE PARALYSIS	-	4	7	3	-	2	3	-	-	-
TYPHOID FEVER	-	-	2	-	-	-	-	-	4	2
TYPHOID FEVER "PARA"	-	-	-	-	2	-	-	-	-	-
MEASLES	-	2	-	1	1	4	1	5	-	-
SCARLET FEVER	-	-	1	1	1	1	-	-	4	1
DIPHTHERIA	-	-	-	-	1	-	-	-	1	1
WHOOPING COUGH	1	1	1	-	2	3	4	1	6	6
INFLUENZA	4	4	7	12	23	5	19	8	10	17
EPIDEM. MENINGITIS (CRSP)	3	7	11	17	27	5	1	1	1	2
OTHER EPIDEMIC DISEASES	2	2	-	-	-	-	-	-	-	1
TUBERCULOSIS OF LUNGS	239	229	225	237	266	261	235	277	252	253
TUBERCULOSIS MENINGITIS	8	13	11	4	7	11	13	11	6	9
OTHER TUBERCULOSIS	12	19	11	16	21	16	26	21	19	25
CANCER & MALIGN. TUMOR	781	735	708	708	655	601	660	634	631	630
SIMPLE MENINGITIS	9	9	15	22	17	25	13	14	16	20
APOPLECTY - SOFT, OF BRAIN	498	463	486	421	431	425	415	440	383	347
ORGANIC HEART DISEASE	1724	1663	1764	1744	1575	1756	1530	1360	1240	1201
BRONCHITIS	9	10	6	8	5	11	5	11	9	18
LOBAR PNEUMONIA	71	93	105	114	166	144	125	91	130	189
BRONCHO PNEUMONIA	89	96	111	120	162	102	119	103	101	123
OTHER RESPIRATORY DISEASES	111	13	8	68	134	184	67	142	124	92
DISEASES OF STOMACH	25	19	32	34	48	34	30	31	39	43
DIARRHOEA (UNDER 5 YRS)	13	3	10	23	15	12	13	14	20	12
APPENDICITIS & TYPHILITIS	11	19	29	25	31	34	45	68	61	82
HERNIA & INTEST. OBST.	39	36	44	62	75	67	50	59	57	51
CIRRHOSIS OF LIVER	55	51	49	48	40	34	47	37	36	42
BRIGHT'S DIS. & NEPHRITIS	281	245	274	271	276	223	222	124	154	149
DIS. OF WOMEN (NOT CANCER)	5	7	7	7	7	10	4	19	11	11
PUERPERAL SEPTICAEMIA	1	2	4	-	4	2	5	2	5	4
OTHER PUERPERAL DISEASES	11	14	14	9	14	20	21	27	25	19
CONG. DEBILITY & MALF.	337	331	285	278	257	262	243	225	203	213
OLD AGE	19	13	18	29	46	30	43	28	36	43
ACCIDENTS	200	234	271	270	304	271	235	258	226	269
HOMICIDES	23	28	13	18	22	22	19	21	23	21
SUICIDES	51	42	47	42	55	66	55	82	50	66
ILL-DEFINED	63	54	79	32	30	37	51	50	39	39
ALL OTHER CAUSES	543	517	564	557	582	571	708	1039	1053	1116
CRUDE DEATH RATE (1001 POP.)	11.5	11.1	11.6	11.5	12.6	11.9	11.6	11.7	10.6	10.9

## TUBERCULOSIS STATISTICS - WHITE AND COLORED

YEAR	POPULA. (1000'S)		REPORTED CASES		DEATHS		MORBIDITY RATE			MORTALITY RATE		
	WHT	COL	WHT	COL	WHT	COL	TOTAL	WHT	COL	TOTAL	WHT	COL
1931	405	40	793	289	251	155	221.1	17.1	722.0	92.2	62.0	387.5
1932	410	40	532	245	195	165	174.4	129.7	612.6	80.0	47.6	412.5
1933	412	40	513	230	227	154	167.5	124.5	575.0	85.8	55.1	385.0
1934	414	40	447	217	186	124	147.6	107.9	542.5	69.6	44.9	310.0
1935	415	40	431	220	189	124	143.7	104.8	540.0	69.5	45.5	310.0
1936	415	42	429	213	182	163	141.1	105.7	507.	75.7	43.8	388.0
1937	415	43	385	84	87	112	125.5	92.8	432.5	65.8	45.0	267.4
1938	415	43	395	203	154	31	131.0	95.2	472.0	62.6	37.1	304.6
1939	415	44	350	179	155	17	116.3	84.3	406.8	60.3	37.3	265.9
1940	384	45	400	185	169	138	136.6	104.2	411.1	71.9	44.0	306.6
1941	384	45	398	210	154	119	142.7	103.6	446.6	63.9	40.1	264.4
1942	384	45	474	195	161	125	157.	123.4	433.3	66.1	41.9	277.7
1943	392	48	464	231	177	117	160.2	118.3	48.2	66.8	45.	243.7
1944	392	48	371	207	35	119	132.7	94.6	431.2	58.4	34.4	247.9
1945	393	50	326	165	130	15	111.7	82.9	330.0	55.8	33.0	230.0
1946	393	50	362	212	138	122	129.8	92.1	424.0	58.9	35.1	244.0
1947	395	50	307	220	138	120	118.9	91.6	440.0	58.7	34.9	240.0



## BIRTHS BY ATTENDANT AND PLACE OF DELIVERY 1917-1947

YEAR	TOTAL BIRTHS	NON-RESIDENT BIRTHS	HOSPITAL DELIVERIES	HOME DELIVERIES		NO ATTENDANT	% TOTAL BIRTHS DEL'D IN HOSP.
				PHYSICIAN	MIDWIFE		
1917	11,850	381	1,956	4,195	5,696	3	16.5%
1918	11,601	487	-	-	5,358	0	-
1919	11,315	554	-	-	5,148	0	-
1920	11,734	-	-	-	4,712	0	-
1921	11,705	-	-	-	4,470	0	-
1922	10,993	883	-	-	3,764	0	-
1923	11,111	-	-	-	3,552	0	-
1924	11,449	-	-	-	3,251	0	-
1925	10,852	1,250	4,845	3,208	2,799	0	44.6%
1926	10,460	1,214	5,003	2,955	2,502	0	47.8%
1927	10,042	1,246	4,995	2,709	2,338	0	49.7%
1928	9,802	1,431	5,390	2,419	1,993	0	55.0%
1929	9,565	1,622	5,805	2,436	1,724	0	58.3%
1930	9,824	1,977	6,517	1,814	1,493	0	66.3%
1931	9,506	2,137	6,824	1,491	1,191	0	71.8%
1932	8,782	1,885	6,538	1,291	953	0	74.4%
1933	7,897	1,703	6,195	966	716	0	78.4%
1934	7,565	1,738	5,858	1,082	625	0	77.4%
1935	7,638	1,812	6,076	1,047	515	0	75.5%
1936	7,236	1,737	6,025	778	433	0	83.3%
1937	7,659	1,956	6,682	603	374	0	87.2%
1938	7,936	2,076	7,106	546	283	1	89.5%
1939	7,950	2,180	7,315	401	234	0	92.0%
1940	8,538	2,514	7,952	401	185	0	93.1%
1941	9,765	3,162	9,282	325	158	0	95.1%
1942	12,016	4,020	11,479	376	161	0	95.5%
1943	11,856	3,978	11,230	432	194	0	94.7%
1944	10,792	3,632	10,306	330	156	0	95.5%
1945	11,254	3,916	10,867	272	115	0	96.8%
1946	13,427	4,695	13,094	225	108	0	97.5%
1947	14,710	5,206	14,419	211	80	0	98.0%

## NEONATE MORTALITY BY COLOR

YEAR	WHITE INF. MORT. RATE	COL. NE. MORT. RATE	WHITE POST NEONATAL MORT. RATE *	COLORED POST NEONATAL MORT. RATE *	WHITE NEONATAL MORT. RATE	COL. NEONATAL MORT. RATE
1926	66.6	130.4	33.2	73.8	33.4	56.6
1927	54.7	140.5	25.1	59.9	29.6	80.6
1928	54.8	137.0	25.4	58.3	29.4	78.7
1929	49.8	136.7	23.2	70.3	26.6	68.4
1930	46.0	102.7	21.2	50.0	24.8	52.7
1931	46.3	95.5	21.8	45.8	24.5	49.7
1932	37.3	82.0	14.2	36.9	23.1	45-
1933	39.1	91.1	17.2	42.8	21.9	48.3
1934	38.8	94.3	14.5	44.3	24.5	50.0
1935	50.7	84.8	18.6	45.9	32.1	38.9
1936	39.8	89.5	14.6	45.3	25.2	44.2
1937	34.5	61.5	12.9	37.8	21.6	23.6
1938	35.7	62.2	12.0	32.1	25.8	30
1939	36.7	74.8	18.4	32.2	18.3	42.6
1940	35.8	70.9	12.6	23.0	23.2	47.9
1941	28.5	62.6	7.5	21.5	21.1	41.
1942	26.3	55.3	5.9	20.9	20.4	34.5
1943	27.6	59.6	6.9	31.4	20.7	28.3
1944	31.6	57.3	8.2	20.4	23.3	37.0
1945	31.7	54.6	10.5	20.8	21.2	33.7
1946	28.1	54.5	6.1	15.7	21.7	38.9
1947	25.3	54.5	5.9	11.7	19.4	42.8

\* OVER ONE MONTH BUT UNDER ONE YEAR.



## DEATHS UNDER ONE YEAR BY CAUSES - 1918 - 1947

YEAR	MEASLES	BRON- CHITIS	PNEU- MONIA	MENIN- GITIS	DIA- RRHOEA	OTHER CONTAG. DISEASES	EARLY INF. CONG. DEB. PREMATUR.	ALL OTHERS	TOTAL
1918	33	84	54	10	273	83	442	12	213
1919	2	42	87	24	244	27	345	91	862
1920	16	57	143	19	191	66	402	100	994
1921	5	38	83	12	178	27	403	91	837
1922	14	44	128	11	153	22	352	98	822
1923	15	32	94	10	105	21	376	103	756
1924	4	38	106	17	115	24	356	86	746
1925	3	26	99		105	23	376	03	746
1926	7	18	142	5	92	16	303	70	753
1927	0	43	91	10	70	28	357	67	636
1928	11	8	97	12	68	19	356	55	626
1929	0	14	121	8	43	28	307	73	594
1930	4	9	95	10	33	10	278	73	512
1931	0	10	86	17	30	21	273	53	490
1932	0	2	67	5	13	12	232	40	371
1933	2	2	75	2	18	10	191	56	356
1934	0	2	52	5	23	2	221	37	342
1935	3	3	59	7	22	16	264	43	417
1936	0	5	51	10	43	9	202	42	332
1937	4	0	47	1	26	6	167	36	287
1938	0	3	40	3	10	10	211	33	310
1939	0	2	28	1	18	6	201	47	303
1940	0	1	26	4	14	0	223	32	300
1941	1	0	23	7	10	5	241	31	318
1942	2	1	41	3	8	2	260	35	352
1943	0	1	41	5	14	5	255	46	367
1944	0	1	43	8	23	3	275	22	375
1945	0	1	56	3	8	3	280	39	390
1946	0	0	44	3	3	4	330	32	416
1947	0	2	30	2	13	2	333	47	429

## BIRTHS &amp; INFANT MORTALITY RATES BY WARDS - 1947

WARDS	TOTAL BIRTHS	TOTAL COLORED BIRTHS	% TOTAL BIRTHS COLORED	MIDWIVES BIRTHS	% TOTAL BIRTHS DELIVERED BY MIDWIVES	TOTAL DEATHS UNDER 1 YEAR	INFANT MORTALITY RATES
1	592	53	10.0%	9	1.7%	9	16.9
2	241	88	36.5%	1	.4%	9	37.3
3	745	602	80.8%	4	.5%	36	48.3
4	99	39	39.4%	1	1.0%	5	50.5
5	336	37	11.0%	8	2.4%	10	29.8
6	443	84	19.0%	4	.9%	13	29.3
7	339	188	56.5%	2	.6%	20	60.1
8	004	61	6.1%	4	.4%	25	24.9
9	37	30	3.5%	6	.4%	45	32.8
10	407	58	14.3%	1	.2%	20	49.1
11	652	58	8.9%	0	-	16	24.5
12	544	36	6.6%	16	2.9%	17	31.2
13	956	8	.8%	7	.7%	24	25.1
14	685	254	37.1%	8	1.2%	37	54.0
15	335	105	31.3%	0	-	9	26.9
16	821	74	9.0%	7	.9%	26	31.7
N.R.	5206	89	1.7%	2	.04%	107	20.6
TOTAL	14710	1964	13.4%	80	.5%	428	29.2
						41	
						429	



## BIRTHS &amp; DEATH - BY WARD &amp; COLOR 1947

WARD	POPULATION	DEATHS	CRUDE DEATH RATE	BIRTHS	BIRTH RATE	DEATHS UNDER 1 YR	INFANT MORT. RATE
	27,000	192	7.1	532	19.7	9	16.9
2	12,000	173	14.4	241	20.0	9	37.3
3	26,000	368	14.1	745	28.6	36	49.3
4	7,000	141	20.0	39	14.1	5	50.5
5	17,000	143	8.4	336	19.7	10	29.7
6	20,000	204	10.2	443	22.1	13	29.4
7	14,000	158	11.3	333	23.8	20	60.
8	39,000	388	9.9	1004	25.7	25	24.9
9	64,000	604	9.4	1371	21.3	45	32.8
10	20,000	143	7.1	407	20.3	20	49.1
11	29,000	289	9.9	652	22.5	16	24.5
12	21,000	204	9.7	544	25.9	17	31.2
13	59,000	471	7.9	956	16.2	24	25.1
14	31,000	307	9.9	685	22.1	37	54.0
15	13,000	116	8.9	335	25.8	9	28.9
16	46,000	414	9.0	821	17.8	26	3.7
NON-RESIDENT		827	-	5206	-	107	-
UNKNOWN ADDRESS		96	-	-	-	1	-
TOTAL	445,000	5238	11.5	14710	33.1	429	29.2
COLORED							
1	1,500	23	15.3	53	35.3	2	37.7
2	2,200	38	17.3	88	40.0	3	34.1
3	17,000	247	14.5	602	35.4	34	56.5
4	7,000	20	20.0	39	39.0	3	76.9
5	800	17	21.2	37	46.2	1	27.0
6	2,400	25	10.4	84	35.0	4	47.6
7	5,400	68	12.6	188	34.8	14	74.5
8	2,200	27	12.3	61	27.7	2	32.8
9	3,000	35	11.7	130	43.3	10	76.9
10	1,900	27	14.2	58	30.5	7	120.7
11	1,500	22	14.6	58	38.6	2	34.5
12	400	9	22.5	36	90.0	3	83.3
13	500	7	14.0	8	16.0	-	-
14	5,200	99	19.0	254	48.8	15	59.1
15	3,500	30	8.5	105	30.0	1	9.5
16	1,500	24	16.0	74	49.3	4	54.1
NON-RESIDENT		23	-	89	-	2	-
UNKNOWN ADDRESS		13	-	-	-	-	-
TOTAL	50,000	754	15.1	1964	37.3	107	54.5





# SANITARY DIVISION

CHRISTOPHER C. NUGENT JR. - ASSISTANT HEALTH OFFICER

FOR THE PURPOSE OF INSPECTION, THE CITY OF NEWARK IS DIVIDED INTO NINE DISTRICTS. PROMPTNESS IN ANSWERING COMPLAINTS IS SECURED BY THE POSSESSION OF THREE EMERGENCY AUTOMOBILES AND FIVE MOTORCYCLES.

THE FOLLOWING PARTIAL LIST COVERS TYPICAL INSANITARY CONDITIONS ABATED BY OUR SANITARY INSPECTORS:

INSUFFICIENT HEAT IN HOMES AND OFFICES.	INSPECTION OF ROOMING HOUSES.
DEFECTIVE STORM WATER LEADERS & GUTTERS.	ACCUMULATION OF GARBAGE & REFUSE.
INSANITARY YARDS, CELLARS & ALLEYS.	HOUSES UNFIT FOR HABITATION.
DARK AND WINDOWLESS ROOMS.	INSPECTION OF THEATRES, LODGING
INSPECTION OF CHICKEN MARKETS.	HOUSES, BARBER SHOPS & BEAUTY PARLORS.
INSPECTION OF PUBLIC BUILDINGS.	FOLLOW-UP OF DELINQUENT DOMESTICS.

LICENSES & PERMITS THE FOLLOWING LICENSES AND PERMITS ARE GRANTED BY THIS DIVISION AFTER APPROVED SANITARY INSPECTION: CE, REFUSE, POULTRY SLAUGHTER HOUSES, CHICKEN (RABBITS, PIGEONS, ETC.), ANIMAL.

DURING THE AVERAGE YEAR, OUR SANITARY INSPECTORS MAKE APPROXIMATELY 85,000 INSPECTIONS, SERVE 6,000 WRITTEN NOTICES, FIND 22,000 NUISANCES AND SECURE THE ABATEMENT OF 20,000. THE REMAINING NUISANCES ARE ABATED THROUGH LEGAL ACTION.

## DIVISION OF SANITATION ACTIVITIES

	1941	1942	1943	1944	1945	1946	1947
TOTAL NUMBER OF INSPECTIONS	88951	92302	99717	7730	82919	87696	76951
INSPECTIONS (COMPLAINTS)	7523	9962	11791	10086	9807	8197	7922
NUMBER OF RE-INSPECTIONS	23392	21526	21105	18418	18580	16206	17212
NUMBER OF NUISANCES FOUND	25569	30517	35655	20717	21955	21219	19097
WRITTEN NOTICES SERVED	8145	13053	12246	10357	9752	8539	9770
ABATEMENTS, WRITTEN NOTICES	6862	9312	9852	8650	7917	6798	6639

PSITTACOSIS - MILITARY PARK PIGEONS THE DIVISION OF SANITATION CONTINUED ITS WAR AGAINST THE MILITARY PARK PIGEONS AND DURING THE YEAR, CAPTURED MORE THAN 100 BIRDS. THIS BRINGS TO MORE THAN 700, THE TOTAL NUMBER TRAPPED IN THE AREA SINCE THE CAMPAIGN STARTED IN 1946. EARLY IN THE YEAR THERE WERE FEWER THAN 15, WHICH HAD ESCAPED CAPTURE, BUT THE NUMBER HAD INCREASED TO MORE THAN 100 AFTER THE BREEDING SEASON. OPERATIONS WILL CONTINUE.

POISONOUS WEED ELIMINATION DURING THE SUMMER MONTHS, THIS DIVISION IN COOPERATION WITH THE SHADE TREE BUREAU, INSTITUTED A CAMPAIGN TO ELIMINATE ALL POISONOUS WEEDS ON VACANT LOTS IN THE CITY WITH SPECIAL ATTENTION DIRECTED AGAINST RAGWEED AND POISON IVY. SPRAYING MATERIAL WAS FURNISHED BY US AND THE SHADE TREE BUREAU SUPPLIED THE LABOR. ALL COMPLAINTS AND ORIGINAL REPORTS OF EXCESSIVE WEED GROWTH WERE REFERRED TO THE BUREAU FOR TREATMENT. EIGHTY GALLONS OF 20% 2-4-D WERE USED IN VARIOUS PERCENTAGES OF SOLUTION AND WERE SUFFICIENT TO ELIMINATE THE WEED GROWTH ON EVERY VACANT LOT IN THE CITY. COMPLAINTS CEASED AND THE WORK WAS CONSIDERED EFFECTIVE FOR THE PRESENT. A SURVEY NEXT SPRING AND FURTHER TREATMENT WILL FOLLOW IN ORDER TO EFFECT A 100% ERADICATION.

REHABILITATION OF DWELLINGS AN ORDINANCE, ADOPTED IN 1943, EMPOWERS THE HEALTH OFFICER TO ORDER RESIDENCES VACATED, DEMOLISHED, OR MADE FIT TO LIVE IN. WHERE OWNER CAN NOT FINANCE THE WORK, THE DEPARTMENT MAY DEMOLISH OR MAKE ALTERATIONS, NOT TO EXCEED 50% OF PROPERTY VALUE, THE COST BECOMING A TAX LIEN. NO FUNDS HAVE BEEN SET ASIDE AS YET FOR SUCH WORK, WHICH FACT HAS PREVENTED US FROM GETTING MAXIMUM BENEFITS. WHEN FUNDS ARE PROVIDED SO THE CITY COULD PROCEED WITHOUT WAITING FOR THE OWNER, IT WILL AID IN COMBATING NEWARK'S GREATEST HEALTH PROBLEM, INSUFFICIENT PROPER HOUSING. THOUSANDS OF BUILDINGS SHOULD BE DEMOLISHED OR REHABILITATED TO MAKE THEM A VAILABLE BUT DIRE SHORTAGE OF HOUSING, MAKES IT IMPRACTICABLE EVEN TO ORDER THEM VACATED.



## RABIES CONTROL

DR. H. A. TARBELL, CHIEF BACTERIOLOGIST

ALL BITE CASES ARE INVESTIGATED BY SANITARY INSPECTORS ASSIGNED TO THE BACTERIOLOGICAL LABORATORY. BITING DOGS ARE QUARANTINED ON THE PREMISES. FOLLOWING RE-INSPECTION, TEN DAYS LATER, THE ANIMAL IS STILL ALIVE AND WELL. IT PROVES THAT THE ANIMAL WAS FREE FROM RABIES IN THE INFECTIOUS STAGE AT THE TIME OF BITING, AND THE INDIVIDUAL DOES NOT NEED PASTEUR TREATMENT. THIS WORK REQUIRED 5,235 ORIGINAL AND RE-INSPECTIONS.

DURING THE YEAR, 3 NEWARK DOGS, OUT OF 26 EXAMINED, WERE FOUND TO BE POSITIVE FOR RABIES, REQUIRING 1 EXPOSED PERSONS TO BE GIVEN FREE PASTEUR TREATMENT. THIS WAS A MARKED REDUCTION FROM 1946 WHEN 34 NEWARK DOGS WERE PROVEN TO BE RABID AND 21 EXPOSED PERSONS GIVEN PASTEUR TREATMENT.

A STATE QUARANTINE ESTABLISHED BY THE STATE DEPARTMENT OF HEALTH IN 1946 IS STILL IN FORCE, PROHIBITING ANY DOG FROM BEING AT LARGE EXCEPT SECURELY LEASHED IN CHARGE OF A RESPONSIBLE PERSON. IN SPITE OF THIS AND THE FACT THAT OUR LOCAL ORDINANCE ALWAYS REQUIRES DOGS AT LARGE TO BE EITHER LEASHED OR MUZZLED, 2,135 DOG BITES WERE REPORTED AND INVESTIGATED DURING THE YEAR.

### SUMMARY

BITES INVESTIGATED . . . . .	2,135	NEWARK DOG BRAINS EXAMINED .	26
INSPECTIONS . . . . .	2,395	NEWARK DOG BRAINS POSITIVE .	3
RE-INSPECTIONS . . . . .	2,840	PASTEUR TREATMENT GIVEN . .	11
TOTAL INSPECTIONS .	5,235		

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## FUMIGATION-PEST CONTROL

JOHN F. LYNCH, CHIEF INSPECTOR, FUMIGATION

THIS PAST AUGUST AND SEPTEMBER, THE COMMISSION OF SANITATION, TOGETHER WITH THIS BUREAU, INAUGURATED A FLY CONTROL PROGRAM AT OUR GARBAGE DISPOSAL AREA. THIS AREA WAS TREATED WEEKLY AND FRESH DUMP AREAS TWICE WEEKLY. CITY REFUSE COLLECTION TRUCKS AND SOME PRIVATE TRUCKS WERE SPRAYED, AS WELL AS THE DISPOSAL AREA, WITH A 5% D.D.T. WATER EMULSION. A 200 GALLON TREE-SPRAYING TRUCK FROM THE SHADE TREE DIVISION WAS USED AND SERVED THE PURPOSE VERY WELL.

PRIOR TO SPRAYING ABOUT 500,000 SQ. FT. OF DUMP AREA, OBSERVATION SHOWED APPROXIMATELY TEN FLIES PER SQ. FT. AND A GOODLY NUMBER OF AMERICAN ROACHES. OBSERVATION, AS OF SEP. 15TH, SHOWED NUMBER DECREASED TO 2 OR 3 FLIES PER SQ. FT. AND A GOOD ROACH KILL. TREATED CITY REFUSE TRUCKS IN DIFFERENT AREAS OF THE CITY WERE FOUND TO HAVE ONLY A FEW FLIES AND MOST OF THESE WERE AFFECTED WITH TREMORS. WE EXPECT TO RENEW AND EXPAND THIS WORK HEREAFTER, STARTING IN JUNE AND CONTINUING UNTIL OCTOBER. THE TREATMENT OF THESE TRUCKS, WHICH PASS THROUGH EVERY STREET IN THE CITY IS ANOTHER SAFEGUARD AGAINST POLIO MYELITIS, WHICH IS PREVALENT IN THE FLY SEASON.

TOXIC GAS FUMIGATIONS IN DWELLINGS, FOR HOUSEHOLD INSECTS, DECLINED, DUE TO THE NEW RESIDUAL CHEMICALS WHICH ARE PLAYING AN IMPORTANT PART IN REDUCING HAZARDS FROM TOXIC FUMIGATIONS, AND SAVING THE HOUSEHOLDER THE INCONVENIENCE OF FINDING OVERNIGHT QUARTERS.

THE FOLLOWING IS A TABULATION OF THE ACTIVITIES OF 1947:

INVESTIGATIONS - RODENTS AND INSECTS . . . . .	242
WRITTEN NOTICES SERVED . . . . .	175
TOTAL NUMBER GASEOUS FUMIGATIONS . . . . .	259
DEMOLITION OF STRUCTURES - INSPECTED 5 - FUMIGATED .	2
FREIGHT CARS - FLOUR - METHYL BROMIDE 15 - HCN 3 - -	18
FOOD TRUCKS - CHLOROPICRIN . . . . .	29
FOOD PLANTS - METHYL BROMIDE 2 - HYDRO CYANIC 3 . .	5
VAULTS - FURNITURE - CHLOROPICRIN . . . . .	32
VAULTS - TOBACCO - HYDRO CYANIC ACID GAS . . . . .	15
RUMMAGE SALES - FORMALIN . . . . .	150



# INDUSTRIAL HYGIENE DIVISION

CHARLES E. MAGUIRE, CHIEF INSPECTOR

EDWARD F. GAYNOR, ASST. CHIEF

JAMES J. MCCARRON, ASST. CHIEF

ACTIVITIES ARE CARRIED OUT BY THIS DIVISION UTILIZING THE VARIOUS SPECIALIZED FIELDS NECESSARY TO PROTECT AND PROMOTE THE HEALTH OF WORKERS WHO COMPOSE THE LARGE INDUSTRIAL POPULATION IN THE CITY. THESE SPECIALTIES INCLUDE NURSING, ENGINEERING, MEDICAL AND NURSING AND CHEMICAL FUNCTIONS. THROUGH THESE FUNCTIONS, INDUSTRIAL PLANTS WERE REGULARLY INSPECTED AND SURVEYED FOR ENVIRONMENTAL CONDITIONS SUCH AS LIGHT, HEAT, VENTILATION, SANITATION, TOILET AND WASHING FACILITIES, HEALTH HAZARDS, ACTUAL OR POTENTIAL ASSOCIATED WITH EXPOSURE OF WORKERS TO DUST, FUMES, GASES, MISTS, RADIOACTIVE SUBSTANCES AND OTHER TOXIC MATERIALS USED IN OR RESULTING OUT OF INDUSTRIAL PROCESSES. ALSO PROMOTED THROUGH PERSONAL CONTACT AND EDUCATIONAL METHODS WERE INDUSTRIAL MEDICAL AND NURSING PROGRAMS, IN-PLANT MASS CHEST X-RAY PROJECTS, BLOOD TESTS FOR SEROLOGIC DIAGNOSIS OF SYPHILIS, THE EMPLOYMENT OF PART-TIME PHYSICIANS AND NURSES AND IN-PLANT HEALTH PROMOTION PROGRAMS. THE EFFECTIVENESS OF THESE ACTIVITIES IS REALIZED WHEN WE CONSIDER THAT IN 1 PLANTS, 8,34 PERSONS WERE X-RAYED. THIS WITH THE NECESSARY RETAKES GIVES US A FIGURE 8,422 CHEST X-RAYS TAKEN DURING THE YEAR OF 1947. ALSO 350 WORKERS WERE BLOOD-TESTED AND 8,300 RECEIVED ANTI-SMALLPOX VACCINATIONS. THE INSPECTORS FOUND 587 VIOLATIONS IN INDUSTRIAL ENVIRONMENT OF WHICH 530 WERE ABATED. ENGINEERING FUNCTION NECESSITATED 750 VISITS TO INDUSTRY. THESE ENTAILED ATMOSPHERIC DETERMINATIONS OF TOXIC SUBSTANCES, EVALUATION OF ENGINEERING CONTROL MEASURES PLUS DUST COUNTS AND LABORATORY ANALYSES OF FIELD SAMPLES COLLECTED.

## INSPECTIONAL ACTIVITIES DURING 1947 - TOTAL VISITS 12,827

COMPLAINT INSP.	447	WRITTEN NOTICES SERVED	295	OCCUPATIONAL DISEASES	12
ORIGINAL "	7740	VERBAL " "	208	TYPE: DERMATITIS	12
REINSPECTIONS	1316	TOTAL " "	503	NO. OF PLANTS	2
TOTAL INSPECTIONS	9503	INDUSTRIAL HYG. SURVEYS	1051	HEARINGS HELD	17
ABATEMENTS	530	RECOMMENDATIONS GIVEN	45	LAW SUITS INSTITUTED	6
VIOLATIONS FOUND	587	COMPLIED WITH	408	PENALTIES-VIOLATIONS	\$50

## MEDICAL AND NURSING ACTIVITIES - TOTAL VISITS 750

INDUSTRIAL NURS. SUR.	253	REQUEST VISITS	245	EXHIBITS DISPLAYED	3
MEDICAL CONSULTATION	2	RECOMMENDATIONS GIVEN	1015	ACCOMPLISHMENTS-PLANTS	35
FOLLOW-UP VISITS	249	LITERATURE DISTRIBUTED	2700	ORGANIZATIONS AIDED	12

## ENGINEERING AND CHEMICAL ACTIVITIES - TOTAL VISITS 750

INDUSTRIAL HYGIENE SURVEYS	17	ATMOSPHERIC SAMPLES COLLECTED	14
RECOMMENDATIONS GIVEN	76	TOTAL HAZARDS FOUND	14
FIELD DETERMINATIONS	30	TYPE: INSUFF. VENTILATION	3
TYPE: CARBONMONOXIDE	6	RADIANT ENERGY (RADIUM)	1
RADIANT ENERGY (RADIUM)	13	CARBONMONOXIDE	1
LABORATORY ANALYSES	14	DUSTS	1
TYPE: COAL TAR DERIV.	5	PHYSICAL HAZARDS	8
LEAD	2	ENG. RECOMMENDATIONS	25
CHLOR. HYDROCARBONS	1	TYPE: LOCAL EXHAUST	
DUST COUNTS	6	VENTILATION	3
VISITS WITH INSPECTORS	692	ENG. PROCESSES	10
		SOLATING PROCESSES	11

## SUMMARY OF MASS X-RAY PROJECTS

NO. OF PERSONS X-RAYED	8314	NO. OF X-RAYS (SIZE):	
RE-RAYS	113	70 MM	8314
TOTAL NO. OF X-RAYS	8427	14X17	113

FINDINGS:	MINIMAL T.B.	95	DEFINITELY ACTIVE	32
	MOD. ADV. T.B.	29	QUESTIONABLY "	61
	FAR ADV. T.B.	1	PROBABLY INACTIVE	22
TOTAL		125		125

CARDIO-VASCULAR CONDITIONS FOUND 103

NON-TUBERCULOUS PATHOLOGY 267

PERSONS REFERRED FOR FOLLOW-UP 227



## VETERINARY DIVISION

M. J. HUGHES, D.V.M., CHIEF VETERINARIAN -- J. J. DEVINE, V.M.D., ASST. CHIEF VETERINARIAN

RESPONSIBILITY FOR THE INSPECTION OF ALL SLAUGHTERHOUSES, BOLOGNA KITCHENS, BUTCHER SHOPS, POULTRY MARKETS, FISH MARKETS, AND OTHER ESTABLISHMENTS WHERE MEAT, FISH AND POULTRY ARE SOLD, RESTS WITH THIS DIVISION. ITS INSPECTIONS ALSO INCLUDE THE COMMISSARIATES OF RESTAURANTS, LUNCH ROOMS AND HAMBURGER STANDS, ALSO MEAT AND FISH TRUCKS, AND POULTRY AND MEAT FREIGHT CARS.

DUTIES OF THE DIVISION ARE CARRIED OUT BY A STAFF OF VETERINARIANS AND TRAINED MEAT INSPECTORS.

ALL MEATS OFFERED FOR SALE IN NEWARK MUST BE SLAUGHTERED EITHER UNDER FEDERAL GOVERNMENT SUPERVISION, OUR OWN VETERINARIANS OR LOCAL VETERINARIANS OF OUTSIDE COMMUNITIES WHERE AN APPROVED ADEQUATE INSPECTION IS MAINTAINED.

THE STAFF OF INSPECTORS FROM THIS DIVISION ALSO MAINTAINS A RIGID INSPECTION OF ALL MEATS, POULTRY AND FISH DELIVERED TO CITY INSTITUTIONS.

PERIODICAL INSPECTIONS ARE ALSO MADE OF BIRDS AND ANIMALS OFFERED FOR SALE IN LOCAL PET SHOPS BY INSPECTORS FROM THIS DIVISION, AS SUCH LIVESTOCK CAN BE, AND OFTEN IS, A POTENTIAL SOURCE OF CERTAIN ANIMAL DISEASES TRANSMISSIBLE TO HUMANS.

DURING 1947, MORE THAN 125,000 CARCASSES OF CATTLE, SHEEP, CALVES, HOGS AND GOATS WERE INSPECTED AND RE-INSPECTED, EITHER AT LOCAL ABATTOIRS, OR AT LOCAL WHOLESALE MEAT HOUSES. CONDEMNATIONS DURING THE YEAR INCLUDED 15 ENTIRE CARCASSES, 2,354 PARTS OF CARCASSES, 31,849 LBS. OF POULTRY AND 37,654 LBS. OF MISCELLANEOUS MEATS, FISH AND PROVISIONS.

	NO.	INSPECTIONS		NO.	INSPECTIONS
BUTCHER SHOPS - - - - -	641	15,794	ABATTOIRS - - - - -	9	460
FISH STORES - - - - -	86	1,872	PET SHOPS - - - - -	22	438
BOLOGNA PLANTS - - - - -	51	3,666	CITY INSTITUTIONS - -	3	305
POULTRY MARKETS - - - - -	76	1,808	WHOLESALE MEAT HOUSES -	45	2,722
PUBLIC MARKETS - - - - -	42	1,223	" FISH " - - - - -	10	440
REFRIGERATION PLANTS - -	2	53	"LIVE POULTRY" - -	9	3,867
HORSE MEAT MARKETS - - -	4	348			

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## DIVISION OF SANITARY ENGINEERING

CHARLES A. HULLICH NG, CHIEF INSPECTOR -- PATRICK J. DONAGHAN, ASST. CHIEF INSPECTOR

PLUMBING PERMITS FOR NEW CONSTRUCTION INCREASED DUE TO SOMEWHAT MORE AVAILABLE MATERIAL, ALTHOUGH THERE IS STILL ACUTE NEED FOR MORE HOUSING AND MORE MATERIAL. THIS DIVISION INVESTIGATES ALL COMPLAINTS REFERRING TO PLUMBING AND COOPERATES WITH OTHER DIVISIONS WHERE PLUMBING IS INVOLVED.

	1940	1941	1942	1943	1944	1945	1946	1947
PLANS APPROVED - NEW SYSTEMS - -	206	168	135	142	45	130	181	187
PLANS APPROVED - OLD SYSTEMS - -	1157	1001	677	562	696	696	1103	868
SEWER INSPECTIONS - - - - -	294	186	121	128	126	127	185	217
PLUMBING INSPECTIONS - - - - -	3777	2510	2243	2190	2165	2352	2910	3295
SPECIAL INSPECTIONS - - - - -	4966	4713	6628	6732	11029	12718	13365	9355
FINAL PLUMBING INSPECTIONS - - -	1315	1108	1106	728	763	812	1110	973
WATER TESTS - - - - -	470	379	194	153	106	108	218	227
SMOKE TESTS - - - - -	75	89	35	48	3	4	5	11
COMPLAINTS RECEIVED - - - - -	490	484	531	583	1785	3251	2932	2600
VIOLATIONS NOTICES SERVED - - -	269	134	244	205	428	485	574	666
NOTICES COMPLIED WITH - - - - -	257	270	210	175	372	421	542	614
NUISANCES ABATED - - - - -					1035	2170	2487	2510
LAW SUITS INSTITUTED - - - - -	66	28	27	44	8	17	30	55
MASTER PLUMBERS LICENSE ISSUED -	438	424	419	401	396	384	412	431
CROSS CONNECTIONS DISCONTINUED -	13	47	38	12	3	1	22	147
WATER SAMPLES COLLECTED - - - -	955	1363	1231	1138	1187	1169	600	851
DANCE HALLS INSPECTED - - - - -		333	332	282	282	133	166	171





# COMMON LABEL DISEASE DIVISION

DR. W. W. GARDAM, MEDICAL DIRECTOR -- WILLIAM S. JENNINGS, CHIEF INSPECTOR

THE COMMUNICABLE DISEASE DIVISION IS RESPONSIBLE FOR CONTROLLING AND PREVENTING THE SPREAD OF DISEASE OTHER THAN VENEREAL AND TUBERCULOSIS. CASES REPORTED BY PHYSICIANS, NURSES, ETC., ARE VISITED BY OUR INSPECTORS IMMEDIATELY ON ESTABLISHED AND CONTACTS QUARANTINED, PLACARDS PLACED AND CASES OFFICIALLY RELEASED AT THE TERMINATION OF THE USUAL PERIOD ESTABLISHED BY LAW. MANY HOMES ARE RE-VISITED FREQUENTLY WHERE IT IS NECESSARY TO MAINTAIN STRICT SUPERVISION TO ENSURE PROPER QUARANTINE AND CONCURRENT DISINFECTION. ALL CONTACTS TO DISEASES ARE EXAMINED BY THE DIVISION BEFORE RETURNING TO SCHOOL OR BUSINESS. INSPECTORS MADE 25,365 HOME VISITS DURING THE YEAR.

THE DIVISION ALSO CARRIES OUT A PROGRAM OF IMMUNIZATION AND VACCINATIONS, STRESSING USE OF COMBINED DIPHTHERIA TOXOID AND WHOOPING COUGH VACCINE. DURING THE YEAR, 10,100 PRE-SCHOOL CHILDREN WERE IMMUNIZED AGAINST DIPHTHERIA, OF WHOM 8,377 RECEIVED BOTH DIPHTHERIA TOXOID AND WHOOPING COUGH VACCINE AT THE SAME TIME. IN ADDITION TO THOSE 8,377 RECEIVING BOTH MATERIALS, 1,913 OTHER CHILDREN WERE IMMUNIZED FOR WHOOPING COUGH ONLY, OR A TOTAL OF 9,370 WHOOPING COUGH IMMUNIZATIONS DURING THE YEAR.

DURING DECEMBER, A PROGRAM OF HOME NURSING INSTRUCTION WAS ESTABLISHED. WHEN AN INSPECTOR ON A VISIT FEELS THAT INSTRUCTION IS NEEDED IN THE CARE OF PATIENT, HE SO REPORTS AND A DEPARTMENT NURSE CALLS TO INSTRUCT AS TO BED BATH, RECTAL THERMOMETER USE, CONCURRENT DISINFECTION, ETC.

FOR CITY REPORT	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	-YR. NORM.
* DIPHTHERIA	23	19	0	2	0	4	1	0	4	2	2
* SCARLET FEVER	496	1201	931	1087	645	401	642	604	496	433	604
TYPHOID FEVER	5	25	6	2	5	8	3	10	2	4	5
PARA TYPHOID	2	5	1	3	1	0	0	1	2	1	1
TUBERCULOSIS	600	534	586	612	674	705	585	495	575	528	585
UNDULANT FEVER	1	10	3	5	0	3	1	5	0	1	1
TRICHINOSIS	0	0	0	3	3	5	2	8	5	4	3
LOBAR PNEUMONIA	889	1069	994	912	952	1145	707	732	686	502	889
BRONCHO "	715	662	583	599	597	799	567	545	623	494	583
EPIDEM. MENING.	4	3	7	4	36	136	118	82	32	21	21
* INFANT. PARALYSIS	6	5	0	18	37	13	29	50	19	17	13
* WHOOPING COUGH	2114	2343	1051	302	1534	1088	294	765	789	1373	988
MEASLES	399	63	6479	4259	4105	4987	3142	19	11392	454	4105
GERMAN MEASLES	91	81	170	6552	379	9113	489	263	1583	171	170
CHICKENPOX	4164	1773	2439	3632	2957	4484	3252	3439	1903	5120	3252
RUBELLA	1094	679	3503	389	578	3094	2384	356	1263	2787	1263
ERYSIPELAS	120	81	88	89	92	49	62	53	53	40	81
VINCENT'S ANGINA	221	182	140	98	416	428	1173	1568	1207	1168	1100
OPHTHALMIA NEON.	155	151	127	58	91	61	47	68	44	46	68
PUERPERAL FEVER	1	0	4	4	0	2	4	1	0	2	1
DYSENTERY	3	1	2	2	2	0	2	2	0	0	1
TETANUS	1	2	1	2	3	0	2	0	2	1	1
INFLUENZA	39	104	89	424	138	194	75	109	57	45	75
MALARIA	0	0	0	0	0	0	56	86	46	9	0

\* PLACARDED

\*\* ARM BANDS ON PATIENTS



# FOOD & DRUG DIVISION

JOSEPH E. DOMINLEY, ASST. HEALTH OFFICER -- JAMES E. MORROW, ASST. CHIEF INSPECTOR

THE YEAR 1947 WAS MARKED BY SEVERAL EXAMPLES OF COOPERATION WITH THE FEDERAL AND STATE FOOD & DRUG AUTHORITIES. IN APRIL 1947, THE FEDERAL AUTHORITIES TRACED SOME FATAL RESULTS FROM THE USE OF MEDICATED SUPPOSITORIES MANUFACTURED IN NEW YORK CITY. THEY BROADCAST A NATION-WIDE PLEA TO ALL AUTHORITIES TO PICK UP AND EMBARGO ALL SUCH SUPPOSITORIES. IN THE CITY OF NEWARK, A TOTAL OF 193 BOXES OF THESE SUPPOSITORIES WERE PICKED UP.

IN JULY 1947 A PARTICULAR BRAND OF SOY BEAN SAUCE CONTAMINATED WITH ARSENIC WAS DISCOVERED BY THE FEDERAL AUTHORITIES. IN A TWO DAY SURVEY OUR INSPECTORS COVERED 320 FOOD ESTABLISHMENTS. THE FEDERAL AUTHORITIES FINALLY TRACED THE ARSENIC CONTAMINATION TO ONE PARTICULAR LOT WHICH WAS ROUNDED UP AND WE RELEASED THOSE BATCHES WHICH WE HAD EMBARGOED, AS LABORATORY TESTS PROVED THAT THESE PARTICULAR LOTS WERE NOT CONTAMINATED. DURING THE YEAR OUR DEPARTMENT ALSO CHECKED PEPPERMINT LEAVES BEING SOLD IN THIS CITY FOR THE PRESENCE OF ANY ADULTERATED, POISONOUS SUBSTANCES. NONE WERE FOUND IN OUR MARKET.

IN 1946, THE N. J. LEGISLATURE ADOPTED THE FLOUR AND BREAD ENRICHMENT ACT. THE PURPOSES OF THIS ACT ARE TO PROMOTE PUBLIC HEALTH AND NUTRITION BY VITAMIN AND MINERAL ENRICHMENT OF THESE STAPLES AND TO PROMOTE FAIR DEALING AND STANDARDIZATION. DURING 1947 WE MADE A SURVEY OF THE NEWARK MARKET TO SEE THAT THIS ACT WAS BEING COMPLIED WITH. CIRCULAR LETTERS OUTLINING THE PROVISIONS OF THIS ACT AND ITS PURPOSES WERE MAILED TO EVERY BAKER, BAKING PLANT AND FLOUR DEALER IN OUR CITY, REQUESTING THEIR COOPERATION IN CARRYING OUT ITS PROVISIONS.

IN 1947 A LINE SAMPLING PROGRAM WAS CARRIED OUT AT MILK AND ICE CREAM PLANTS. SAMPLES OF THE RAW AND FINISHED PRODUCTS AT THE VARIOUS STAGES OF PROCESSING WERE OBTAINED FOR BACTERIOLOGICAL EXAMINATION INCLUDING SWABS OF THE EQUIPMENT BEING USED. THE RESULTS WERE VERY SATISFACTORY AND INDICATED THAT OUR NEWARK APPROVED PLANTS WERE DOING A FINE JOB IN HANDLING THE RAW AND PASTEURIZED PRODUCTS AND IN KEEPING THEIR EQUIPMENT IN A SANITIZED CONDITION. IN THE FEW ISOLATED INSTANCES WHERE THE LABORATORY REPORTS WERE FOUND UNSATISFACTORY, IMMEDIATE STEPS WERE TAKEN BY THE DEPARTMENT AND THE COMPANY PLANT TO ELIMINATE THE CAUSES FOR SAME.

## PRINCIPAL CITY FOOD AND DRUG INSPECTIONS - 1947

RESTAURANTS, LUNCHROOMS, ETC. - - - -	5391	DRUGS-RETAIL STORES - - - - -	429
CAFES-TAVERNS. - - - - -	2797	ICE CREAM-MFG. PLANTS-NEWARK -	71
BAKERIES-MFG. PLANTS - - - - -	455	" " " " OUT-OF-CITY -	135
" RETAIL STORES - - - - -	566	NON-ALCOHOLIC BEV. PLT-NEWARK -	101
" WHOLESALE DEALERS - - - - -	10	MISC. WHOLESALE FOOD MFG. PLANTS	678
CANDY-RETAIL STORES - - - - -	1698	" RETAIL ESTABLISHMENTS - -	453
GROCERIES-RETAIL STORES - - - - -	4155	SPECIAL INVESTIGATIONS - - -	4273
PRODUCE-RETAIL STORES - - - - -	821	TOTAL - - - - -	22039

## GLASS SWAB SAMPLES FROM TAVERNS FOR BACTERIOLOGICAL EXAMINATIONS-1947-TAVERNS SAMPLED 217

BACTERIAL SAMPLES TAKEN - - - - -	372
STERILE - - - - -	109
COUNTS 1 TO 1,000 - - - - -	107
" 1,001 TO 100,000 - - - - -	125
" OVER 100,000 - - - - -	31
SAMPLES SATISFACTORY - - - - -	341
AVERAGE COUNT - - - - -	61600
BACCOLL SAMPLES TAKEN - - - - -	372
STERILE - - - - -	300
COUNTS 1 TO 1,000 - - - - -	50
" OVER 1,000 - - - - -	22
SAMPLES SATISFACTORY - - - - -	350
AVERAGE COUNT - - - - -	176
COLD INDEX SAMPLES TAKEN - - - - -	372
STERILE - - - - -	268
COUNTS 1 TO 50 - - - - -	30
" OVER 50 - - - - -	74
SAMPLES SATISFACTORY - - - - -	298
AVERAGE COUNT - - - - -	81

29.30 %  
28.77 %  
33.60 %  
8.33 %  
91.67 %  
80.64 %  
13.45 %  
5.81 %  
94.19 %  
72.04 %  
8.07 %  
19.89 %  
80. %







# CITY DISPENSARY

NEW YORK, N.Y., SUPERVISOR OF NURSES & CLINICS - CHAR STEVENS, CHIEF PHARMACIST

THE CITY DISPENSARY PROVIDES CLINIC TREATMENT FOR MEDICALLY INDIGENT. HOME MEDICAL CARE IS PROVIDED BY DOCTOR CALLS AND PAID FOR BY THE RELIEF DEPARTMENT FOR PATIENTS ACTUALLY ON RELIEF AND BY THE HEALTH DEPARTMENT FOR THOSE NOT ON RELIEF BUT UNABLE TO PAY. THE PATIENT IS GIVEN FREE CHOICE OF PHYSICIAN. THE 30,346 TREATMENTS OF THE YEAR DO NOT INCLUDE APPROXIMATELY 33,000 VENEREAL DISEASE TREATMENTS, 1,000 TUBERCULOSIS TREATMENTS FOR THE EXAMINATION OF 35,000 FOOD HANDLERS AND DOMESTICS.

A TRAINED NUTRITIONIST HAS BEEN ADDED TO THE STAFF OF THE CITY DISPENSARY. HER WORK INCLUDES COOPERATION WITH THE EXECUTIVE DIVISION IN OUR EDUCATIONAL WORK TO INCREASE PUBLIC KNOWLEDGE CONCERNING PROPER BALANCED DIET. VISITS ARE MADE TO ALL THE PAROCHIAL SCHOOLS AND BABY-KEEPING STATIONS TO COOPERATE WITH DEPARTMENT NURSES IN LECTURING TO MOTHERS AND SCHOOL CHILDREN ON NUTRITION. THIS NUTRITIONIST ALSO AIDS PATIENTS IN THE DISPENSARY, TUBERCULOSIS AND OTHER SPECIAL CLINICS IN WEARING INDIVIDUAL DIETS. SHE COOPERATES WITH THE INDUSTRIAL HYGIENE DIVISION IN THEIR CAMPAIGN FOR BETTER NUTRITION AMONG INDUSTRIAL GROUPS AND CAFETERIAS. COOPERATION IS EXTENDED BY FREQUENT VISITS DURING THE YEAR TO THE LUNCH HOUSE TO INSURE BEST POSSIBLE ORDER AND PREPARATION AND SERVING OF FOOD FOR THE AGED.

THE DEPARTMENT HAS TWO MEDICAL SOCIAL WORKERS. THE ONE MAJORS IN INVESTIGATION OF ABILITY TO PAY BY DISPENSARY PATIENTS AND HANDLING SPECIAL PROBLEMS IN THAT GROUP. THE OTHER IS STATIONED IN THE CHILD HYGIENE DIVISION TO ASSIST WORKERS IN SUCH DIVISIONS AS TUBERCULOSIS, PAROCHIAL SCHOOLS, CHILD HYGIENE, SANITARY AND CONTAGIOUS DISEASE IN THE HANDLING OF SOCIAL PROBLEMS COMING TO THE ATTENTION OF AFFECTING HEALTH.

THE DISPENSARY PHARMACY PROVIDED 31,916 FREE PRESCRIPTIONS FOR CLINIC PATIENTS AND HOME FREE MEDICAL CALL PATIENTS. IT ALSO HANDLES ALL FREE BIOLOGICALS AND IMMUNIZATION MATERIAL FOR CLINIC, FOR OTHER HEALTH DIVISIONS OR FOR PRIVATE PHYSICIANS INCLUDING SUFFICIENT SMALLPOX VACCINE FOR OVER 70,000 VACCINATIONS, 1,035 PACKAGES LIPN-THERIA TOXOID, 543 PACKAGES WHOOPING COUGH VACCINE, 2,369 PACKAGES COMBINED WHOOPING COUGH & DIPHTHERIA MATERIAL, 201 PACKAGES DIPHTHERIA GLOBULIN, 78 PACKAGES TYPHOID VACCINE, 254 DONS INFLUENZA VACCINE AND 36 PACKAGES RABBIT SERUM. MOST OF THIS MATERIAL IS SUPPLIED TO US FREE BY THE STATE HEALTH DEPARTMENT. THE DISPENSARY X-RAY LABORATORY MAKES FILMS FOR CLINIC PATIENTS BUT THE BULK OF ITS X-RAY WORK IS FOR THE CASE-FINDING PROGRAM OF THE TUBERCULOSIS DIVISION SUCH AS THE EXAMINATION OF FOOD HANDLERS AND DOMESTICS.

CLINIC TREATMENTS	1945	1946	1947		1945	1946	1947
MEDICAL	1735	4708	4934	X-RAY & OTHER INJEC.	60	370	40
CHILDREN	443	1128	128	UR NALYSIS	1347	338	2051
SURGICAL	1219	1657	2014	CIRCUMCISION	0	239	277
GYNAECOLOGICAL	119	240	228	TUMOR, ANEMIA & ULCERS	-	111	87
SKIN	964	2893	3199	EMPTY, DIAGNOSTIC CLINIC	1325	3375	2122
RECTAL & G.I.	1147	1202	1463	TOTAL TREATMENTS	23541	36346	36574 **
ORTHOPEDIC	109	138	955				
DENTAL	7602	11069	11157 *				
NEURO-PSYCHIATRIC	546	836	974	DIFF. PATIENTS TREATED	6253	7496	9664
EMERGENCY HOSPITAL	182	141	150	PRESCRIPTIONS	22184	28334	31916
NERVOUS DISEASES	676	898	1080	X-RAYS DENTAL FILM	2862	2073	1577
WEIGHT LOSS	384	596	704	" CHEST F. 14X15	25	54	3064
VARIKOSE VEINS	467	560	635	" " " 14X17	2106	2672	5043
VACCINATION	315	518	436	" " " 14X17	078	1218	1875
ALFINE LAMP	74	199	302	DOC. CALL PD BY HEALTHD.	379	2906	2640
MASSEGE & ELEC. THER.	767	1397	974	" " " " RELIEFD.	554	1058	1458
TESTS-IMMUNIZATIONS	535	896	1505	" " " " FOR CONTAG. DISE.	-	1058	579

\* INCLUDES 3,213 VISITS TO THREE NEIGHBORHOOD DENTAL CLINICS

\*\* PLUS 43,651 VACCINATIONS





# TUBERCULOSIS DIVISION

DR. IRVING MILLNER, DIRECTOR -- DR. JAMES JAGO, ASST. DIR.  
MAC ACKENHUTH, R.N., SUPERVISING NURSE.

THE MORTALITY AND MORBIDITY RATES SHOW SOME DECREASE OVER THE PAST YEAR, THE MORTALITY DECREASING FROM 58.9 TO 56.2 PER 100,000 AND THE MORBIDITY RATE FROM 129.8 IN 1946 TO 119.7 IN 1947. THE MORBIDITY RATE WAS DECREASED IN spite of the INTENSIVE DRIVE FOR LOCATING NEW CASES. DURING THE YEAR WE CONDUCTED VARIOUS CASE FINDING CAMPAIGNS, THE MOST INTENSIVE BEING THAT OF A MASS X-RAY PROGRAM CONDUCTED THROUGHOUT THE CITY OF NEWARK BY MEANS OF A TRAILER UNIT. DURING THE CAMPAIGN 934 X-RAYS WERE TAKEN. THE AREAS WHERE THE CAMPAIGN WAS CONDUCTED CONSISTED OF THE MOST DENSELY POPULATED SECTIONS, WHERE EXPERIENCE INDICATED THE GREATEST NUMBER OF CASES COULD BE LOCATED. FOR A MONTH PRIOR TO ITS BEGINNING, THE CAMPAIGN WAS PRECEDED BY PUBLICITY THROUGH RADIO, PRESS, LITERATURE, LECTURES AND MOTION PICTURES.

THE ENTIRE DIVISION SHOWED A MARKED INCREASE IN ACTIVITY IN 1947. THERE WERE 29,402 VISITS BY THE STAFF NURSES AS COMPARED WITH 22,292 THE PREVIOUS YEAR. CLINICAL EXAMINATIONS SHOWED 6,113 ADULTS AND CHILDREN EXAMINED AS COMPARED WITH 7,726 IN 1946. IN THE PNEUMOTHORAX CLINIC, 78 LONG COLLAPSE TREATMENTS WERE GIVEN. THE ADD AD CLINIC SHOWED A MARKING INCREASE IN THE NUMBER OF EXAMINATIONS MADE AND THE ELECTROCARDIOGRAPHY TAKEN, WITH 1,734 EXAMINATIONS IN 1947 AS COMPARED WITH 1,346 IN 1946 AND 935 PATIENTS ATTENDED THE HAY FEVER AND ASTHMA CLINIC.

## DIVISIONAL WORK

VISITS, INVESTIGATIONS & SURVEYS - NURSES	28,402
CLINIC EXAM. (ADULTS AND CHILDREN)	6,113
" " CARDIAC	1,734
" " HAY FEVER & ASTHMA	935
X-RAYS	5,859
FLUOROSCOPIC EXAMINATIONS	900
PNEUMOTHORAX TREATMENTS	78
CAMP CHLORIN EXAMINATIONS	767
PATCH TESTS	316

## FOOD HANDLER & DOMESTIC WORK

FOOD HANDLER RE-EXAMINATIONS	359
" " TEMPORARY CARDS	312
" " REJECTIONS	14
DOMESTIC RE-EXAMINATIONS	27
" TEMPORARY CARDS	21
" REJECTIONS	3

## NEIGHBORHOOD CLINICS      EXAMINATIONS

WEST STREET	109
FERRY STREET	38
SETH BOYDEN	32
PENNINGTON COURT	24
CUTLER STREET	21

## EXAMINATIONS FOR SANATORIA & HOSPITALS

VERONA - COUNTY SANATORIUM CLINIC	234
GLEN GARDNER - STATE SANATORIUM CLINIC	229
SOHO - COUNTY HOSPITAL CLINIC	8
FARMINGDALE - STATE PREVENTORIUM CLINIC	3

(SEE STATISTICAL TABLE FOR MORTALITY & MORBIDITY BY COLOR)

## DEATHS (LAPSE OF TIME AFTER REPORT CASE)

NO. CASES REPORTED PRIOR TO DEATH - UNDER 1 YEAR - - -	142 - - - -	55%
1 TO 2 YEARS - - -	19 - - - -	7
2 TO 3 YEARS - - -	7 - - - -	3
3 TO 4 YEARS - - -	14 - - - -	5
4 YEARS & OVER - - -	37 - - - -	14
	219	84%
NO. CASES REPORTED AFTER DEATH - - - - -	40 - - - -	16%

## MASS CHEST X-RAY CAMPAIGN

DURING THE YEAR, 44,079 CHEST X-RAYS WERE TAKEN, MOSTLY FOODHANDLERS, DOMESTICS AND INDUSTRIAL WORKERS, IN OUR MASS CHEST X-RAY PROGRAM. OF THESE, 1375 WERE SUSPICIOUS AND FOLLOW-UP AND RE-CHECK SHOWED AS FOLLOWS:

NO. ACTIVE TUBERCULOSIS FOUND - - - - -	92
MINIMAL - - - - -	34
MODERATELY ADVANCED - - - - -	38
FAR ADVANCED - - - - -	20



# DIVISION OF CHILD HYGIENE

DR. JULIUS LEVY, DIRECTOR -- DR. HARRY SILVER, ASSISTANT DIRECTOR  
MRS. MEREDITH EHRLICH, SUPERVISING NURSE

THE INFANT MORTALITY RATE FOR 1947 IS THE LOWEST REPORTED FOR THE CITY OF NEWARK, SINCE RECORDS HAVE BEEN KEPT - 29.2. IT IS MERELY A TENTATIVE RATE, WHICH FINALLY MUST BE CORRECTED FOR NON-RESIDENT DEATHS AND BIRTHS AND FOR DEATHS AND BIRTHS OF RESIDENTS OCCURRING OUTSIDE OF THE CITY.

THE NEONATAL MORTALITY RATE FOR 1947 IS SLIGHTLY LOWER THAN FOR 1946 - 22.5 FOR 1947 AND 23.8 FOR 1946.

WE ARE GLAD TO REPORT A REDUCTION IN THE MORTALITY RATE FOR THE FIRST DAY OF LIFE FOR 1947. IN 1946 IT WAS 11.6, WHILE IN 1947 IT WAS 9.4. DURING THE PAST FOUR YEARS ONLY ONE YEAR PRESENTED A LOWER RATE IN THE FIRST DAY OF LIFE AND THAT YEAR WAS 1943, WHEN THE RATE WAS 9.2.

THE MATERNAL MORTALITY RATE IS THE LOWEST EVER REPORTED FOR THE CITY - .8 (THE SAME AS IT WAS IN 1944) - AND ONE OF THE LOWEST IN THE COUNTRY. IN 1925 THIS RATE WAS 7.7.

(SEE SPECIAL TABLES FOR STATISTICAL DATA)

## NURSES' ACTIVITIES

YEAR	SUPERVISED B-BIFs BORN DURING YEAR	TOTAL NO. OF SUPERVISED BABIES UNDER TWO YEARS	NURSES' VISITS TO HOMES	MOTHERS' VISITS TO CONSULTATION STATIONS
1927	4,318	7,400	47,957	13,468
1928	4,236	7,593	51,189	16,950
1929	4,609	8,089	57,251	22,038
1930	4,777	8,437	61,445	32,298
1931	5,070	11,899	68,715	32,395
1932	4,915	12,397	76,575	41,971
1933	4,386	11,868	71,093	34,845
1934	4,286	12,219	67,536	29,380
1935	4,060	12,948	72,877	25,903
1936	3,820	14,890	71,476	23,101
1937	3,552	13,785	71,507	23,823
1938	4,972	15,848	69,410	24,921
1939	5,152	14,700	68,292	26,604
1940	5,364	13,591	64,135	24,597
1941	5,747	13,034	61,280	24,340
1942	7,042	15,149	67,825	19,981
1943	7,550	16,663	76,632	16,706
1944	6,605	13,003	81,289	12,782
1945	6,834	12,439	72,373	11,040
1946	8,173	14,096	74,904	14,305
1947	8,841	15,117	85,515	15,376



# VENEREAL DISEASE CONTROL DIVISION

DR. AMES L. FILIPPONE, PHYSICIAN-IN-CHARGE -- DR. ISADORE PINCUS, EPIDEMIOLOGIST  
DR. E. MAE MACCARROLL, ASST. EPIDEMI.

VENEREAL DISEASE WILL BECOME A MATTER OF HISTORY SOON, IF THE ADVANCES IN TREATMENT CAN BE HATCHED BY OUR PUBLIC HEALTH MEASURES. MEDICAL SCIENCE HAS PUT INTO OUR HANDS THE WEAPON --- IT IS FOR US AS A HEALTH AGENCY TO USE THE WEAPON ACCURATELY.

PENICILLIN IS NOW USED ROUTINELY FOR SYPHILIS AND GONORRHEA; STREPTOMYCIN IS A SPECIFIC FOR GRANULOMA INGUINALE. HOWEVER, IT STILL REQUIRED 2,075 CALLS IN 1947 OF SHOE-LEATHER EPIDEMIOLOGY BY OUR STAFF OF VENEREAL DISEASE INVESTIGATORS TO GET THE INFECTED PATIENTS IN FOR TREATMENT, AND TO LOCATE EXPOSED INDIVIDUALS, PARTICULARLY FAMILY CONTACTS AND SUSPECTED SOURCES.

UNFORTUNATELY, THE STATE HEALTH DEPARTMENT HAS CUT DOWN ITS FUNDS, SO THAT GONORRHEA CULTURES ARE NOT PROVIDED FOR; WE WILL HAVE TO SET UP OUR OWN CULTURE PROCEDURES. STEPS HAVE BEEN TAKEN TO INCLUDE THIS IN OUR LABORATORY SERVICE, WHICH HAS BEEN EXTENDING ITS ACTIVITIES IN THIS WAY CONSTANTLY, HAVING ADDED QUANTITATIVE SEROLOGIC TESTS LAST YEAR.

PLANS HAVE BEEN MADE FOR THE IMPROVEMENT OF THE CLINIC, BY MOVING OVER TO ANOTHER AND MORE MODERN BUILDING, WHERE ALL THE ACTIVITIES WILL BE ON ONE FLOOR.

TREATMENT AND PREVENTION OF NEW INFECTIONS WILL BE THE SLOGAN FOR THE COMING YEAR.

<u>CLINIC</u>	<u>REPORT</u>	<u>1946</u>	<u>1947</u>
<u>SYPHILIS</u>	NEW PATIENTS - MALE - - - - -	225	325
	" " - FEMALE - - - - -	191	347
	TOTAL NEW PATIENTS - - - - -	416	672
	PATIENTS TREATED - MALE - - - - -	1420	1224
	" " - FEMALE - - - - -	1102	982
	TOTAL PATIENTS TREATED - - - - -	2522	2206
	TREATMENTS GIVEN - - - - -	23520	22785
	CASES REPORTED FROM NEWARK - - - - -	1820	2105
	PATIENTS DISMISSED, ARRESTED OR CURED - - - - -	956	1140
	PATIENTS PUT ON REST - - - - -	361	360
<u>GONORRHEA</u>	NEW PATIENTS - MALE - - - - -	812	951
	" " - FEMALE - - - - -	387	285
	TOTAL NEW PATIENTS - - - - -	1199	1236
	PATIENTS TREATED - MALE - - - - -	1020	1443
	" " - FEMALE - - - - -	1849	1120
	TOTAL GONORRHEA PATIENTS TREATED - - - - -	2869	2563
<u>SOURCES OF</u>	<u>INFECTION</u>		
	NAMED - - - - -	520	705
	FOUND AND EXAMINED - - - - -	225	315
	FOUND INFECTIOUS - - - - -	110	132
<u>TOTAL</u>	<u>G.C. VISITS (MALE AND FEMALE</u>	<u>11400</u>	<u>7049</u>



# LABORATORIES

DR. H. A. TARBELL, CHIEF BACTERIOLOGIST  
HALSEY DURAND, B.S., CHIEF CHEMIST

DR. H. S. MARTLAND, PATHOLOGIST  
HALSEY DURAND, B.S., CHIEF CHEMIST

## BACTERIOLOGICAL LABORATORY

DR. H. A. TARBELL, CHIEF BACTERIOLOGIST

DIPHTHERIA CULTURES - - - - -	2660
" " POSITIVE - - - - -	2
TUBERCULOSIS SPUTA - - - - -	2893
" " POSITIVE - - - - -	276
TYPHOID (TIDALS) - - - - -	62
" " POSITIVE - - - - -	9
DOG BRAIN EXAM. (RABIES) - - -	54
POSITIVE " (OUT-OF-TOWN DOGS)	7
" " (NEWARK DOGS) - - -	3
VINCENTS ANGINA SMEARS - - -	2747
" " POSITIVE - - - - -	548
GONORRHOEA SMEARS - - - - -	7062
" " POSITIVE - - - - -	986
EXAM. FOR UNCLANT FEVER - - -	40
" OF FECES & URINE - - - -	53
WATER EXAMINATIONS - - - - -	549
MILK " - - - - -	2375
ICE CREAM " - - - - -	249
SHELL FISH " - - - - -	44
SWABBINGS FROM EATING UTENSILS	519
PASTEUR TREATMENTS GIVEN - - -	11

## SEROLOGICAL LABORATORY

DR. H. S. MARTLAND, PATHOLOGIST

PREMARITAL TESTS (KAHN) - - - -	14577
" " POSITIVE - - - - -	278
PRENATAL - - - - -	7861
" " POSITIVE - - - - -	134
DIAGNOSTIC - - - - -	39518
" " POSITIVE - - - - -	4536
TOTAL KAHN TESTS - - - - -	61956
" " " POSITIVE - - - - -	4948
CONFIRMATION WASSERMANN - - -	5720
" " POSITIVE - - - - -	2879
SPINAL FLUIDS, WASSERMANN - - -	1060
" " POSITIVE - - - - -	78
RM FACTOR DETERMINATION - - - -	2786
" " POSITIVE - - - - -	2475
METEROPHILE ANTIBODY DET. - - -	85
" " POSITIVE - - - - -	21

## CHEMICAL LABORATORY

HALSEY DURAND, B.S., CHEMIST

TOTAL EXAMINATIONS - - - - -	5576
MILK SAMPLES - - - - -	2051
" " BELOW STANDARD - - -	2
MILK AVERAGE SOLIDS (ALL SAMPLES)	12.47
" " FAT " " - - - - -	9.73
CREAM SAMPLES - - - - -	1
" " BELOW STANDARD - - -	0
ICE CREAM SAMPLES - - - - -	160
" " BELOW STANDARD - - -	3
WATER SAMPLES - - - - -	444
MISCL. " - - - - -	659
PHOSPHOTASE TEST (MILK PASTEURIZIN)	2261
NOTE - SPECIAL EXAMINATIONS INCLUDED	
HORSE MEAT, ADDED SULPHITES AND EX-	
CESSIVE FAT CONTENT IN MEATS;	
ARTIFICIAL FLAVORINGS, ETC.	

## GONORRHOEA CULTURE LABORATORY

RUSSELL STEIN, B.S., BACTERIOLOGIST

BEING SUBSIDIZED BY STATE AND FEDERAL FUNDS, CULTURE EXAMINATIONS WERE MADE FOR ALL NORTH JERSEY. (SPECIMENS CAN BE DELIVERED FOR DAILY COLLECTION AT ALL NEWARK PRIVATE HOSPITALS)

TOTAL NEWARK G.C. CULTURES - - - -	7102
POSITIVE - - - - -	566

## DISPENSARY LABORATORY

CARL CORDASCO, ASST. BACTERIOLOGIST

	TOTAL	POS.
KLINE	20309	283
BLOOD TESTS	2483	156
FOR	1912	32
SYPHILIS	8288	2003
CLINICS - - - - -	312	20
MILITARY - - - - -	6548	218
PRIVATE DOCTOR	39852	2712
TOTAL KLINE	157	69
QUANTITATIVE KLINE TESTS - - - -	259	103
DARKFIELDS - - - - -	590	193
SPINAL FLUIDS - - - - -	11237	2247
GONORRHOEA SMEARS - - - - -	5823	1230
VINCENTS ANGINA SMEARS - - - -	4	1
TRUSH SMEARS - - - - -	46	23
TRICHOMONAS VAGINALIS - - - -	10	7
PROSTATE SMEARS - - - - -	2069	-
URINALYSES - - - - -	SPECIAL TESTS FOR BLOOD COUNT,	
CLOTTING & BLEEDING TIME,		
SEDIMENTATION RATE, ETC.		589

